Test Booklet No.: **111576**

HIGHER EDUCATION DEPARTMENT, GOVT. OF ODISHA

TEST BOOKLET

Subject Code : **14**   Entrance Subject : **MBA (Business Administration)**

Time Allowed: **90 Minutes**   Full Marks : **70**

INSTRUCTIONS TO CANDIDATES

1. **Please do not open this Question Booklet until asked to do so.**

2. Check the completeness of the Question Booklet immediately after opening.

3. Enter your **Hall Ticket No.** on the Test Booklet in the box provided alongside. **Do not write** anything else on the Test Booklet.

4. Fill up & darken Hall Ticket No. & Test Booklet No. in the Answer Sheet as well as fill up Test Booklet Serial No. & Answer Sheet Serial No. in the Attendance Sheet carefully. Wrongly filled up Answer Sheets are liable for rejection.

5. Each question has four answer options marked (A), (B), (C) & (D).

6. Answers are to be marked on the Answer Sheet, which is provided separately.

7. Choose the most appropriate answer option and darken the oval completely, corresponding to (A), (B), (C) or (D) against the relevant question number.

8. Use only **Blue/Black Ball Point Pen** to darken the oval for answering.

9. Please do not darken more than one oval against any question, as scanner will read such markings as wrong answer.

10. **Each question carries equal marks. There will be no negative marking for wrong answer.**

11. **Electronic items such as calculator, mobile, etc., are not permitted inside the examination hall.**

12. *Don't leave the examination hall until the test is over and permitted by the invigilator.*

13. **The candidate is required to handover the original OMR sheet to the invigilator and take the question booklet along with the candidate's copy of OMR sheet after completion of the test.**

14. Sheet for rough work is appended in the Test Booklet at the end.

GENERAL STUDIES

1. Which of the following statement is correct regarding India's stand in 'UNO'?

   i. In June 2020, India was elected to the UNSC as a non-permanent member.

   ii. India's this membership is for 2021-22.

   iii. India was the only candidate from the Asia-Pacific category.

   iv. This is India's eighth stint at the UNSC.

   Select the correct answer using the codes given below:

   (A) i and ii   (B) Only iii

   (C) Only iv   (D) All of these.

2. Like every year, in the Swach Survekshan 2020 awards ceremony Indian cities that were adjudged cleanest in 2020 were announced. Which city stood first?

   (A) Indore

   (B) Bhubaneswar

   (C) Surat

   (D) Chandigarh

3. Which statement is true about the Indian railway?

   i. Separate budget for rail started in 1924 during the British rule.

   ii. Indian Railways is India's national railway system conducted by the Ministry of Transport.

   iii. On 21 September 2016 the Union Government approved the merger of the Rail with General budgets from 2017

   iv. On the recommendation of the Acworth Committee in 1920-21 railway finances were separated from the general government finances in 1924

   Select the correct answer using the codes given below:

   (A) Only i and ii

   (B) Only ii and iii

   (C) Only iii and iv

   (D) Only i, iii and iv

W-14-MBA (Business Administration)   3   P.T.O.

4. India is a democratic republic, because _____.

   (A) The head of the state is elected directly or indirectly by the people and is not hereditary.

   (B) The citizen of India is free to practice any religion according to their choice.

   (C) The Government is responsible to parliament

   (D) The Constitution of India is supreme and made by a Constituent Assembly.

5. Presently how many states and Union territories are there in India?

   (A) 28 states and 7 union territories

   (B) 28 states and 9 union territories

   (C) 27 states and 9 union territories

   (D) 28 states and 8 union territories

6. ATM stands for

   (A) All Time Money

   (B) Automated Teller Machine

   (C) Automatic Tiller Machine

   (D) Any Time Money

7. Which of the following statements are true about the statue that was built in memory of Sardar Vallabhbhai Patel. The Iron Man of India.

   i.   It is situated at Mahabaleswar hill station in Maharashtra.

   ii. It is known as the statue of unity

   iii. Standing at 182 meters, is the tallest statue in the world

   iv. It is located on the Narmada River in Kevadiya colony, facing the Sardar sarovar Dam.

   Select the correct answer using the codes given below"

   (A) Only i and ii

   (B) Only ii and iii

   (C) Only iii and iv

   (D) Only ii, iii and iv

8. Odisha day is celebrated in the Indian state of Odisha in memory of the formation the state as a separate state_____

(A) On 1 April 1936

(B) On 1 APRIL 1937

(C) On 1 APRIL 1938

(D) On 1 APRIL 1939

9. Who among the following is considered as the "Father of Artificial Intelligence"?

(A) Charles Babbage

(B) John McCarthy

(C) Aryabhatta

(D) Steve Jobs

10. Which of the following is not a web browser?

(A) Google Chrome

(B) Microsoft Edge

(C) MS Windows

(D) Safari

11. Which of the following is a high-level Computer Programming Language?

(A) Perl

(B) Python

(C) C#

(D) All of these

12. The change in the wavelength of light that occurs when a light beam is deflected by molecules is known as:

(A) Brownian motion

(B) Raman Effect

(C) Convoy Effect

(D) Dispersion

13. Which of the following radioactive decay does not change the atomic number?

    (A) Alpha

    (B) Beta

    (C) Gama

    (D) None of the above

14. What is the function of a catalyst in a chemical reaction?

    (A) decrease rate constant of reaction

    (B) does not affect the equilibrium constant of reaction

    (C) increases activation energy of reaction

    (D) reduces enthalpy of reaction

15. Which one of the following will turn blue litmus red?

    (A) Lime water

    (B) Baking soda solution

    (C) Vinegar

    (D) Washing soda solution

16. Phosphine has an odor of

    (A) Ripen fruit

    (B) decaying fish

    (C) decaying vegetables

    (D) None of the above

17. What is the total number of outcomes when we throw three coins?

    (A) 3

    (B) 6

    (C) 8

    (D) 9

GENERAL ENGLISH

Choose the correct option from the choices listed below each question:

18. _____to celebrate his 75th birthday.

    (a)   It was decided

    ((B)   It was accepted

    (C)   It was determined

    (D)   It was resolved

19. He was busy_____ his homework.

    (A)   doing

    (B)   to do

    (C)   that he was doing

    (D)   he was doing

20. _____ people trying to get into the football stadium.

    (A)   There were too much

    (B)   There were too many

    (C)   It was too many

    (D)   There was too many

21. She felt good_____ the prize.

    (A)   about win

    (B)   with winning

    (C)   to win

    (D)   about winning

22. sorry we're late, we_____ the wrong turning.

    (A)   had taken

    (B)   were taking

    (C)   took

    (D)   are taking

23. _____with the performance, but I got flu the day before.

    (A)   was to have helped

    (B)   helped

    (C)   was to help

    (D)   had helped

24. Raghav _____ for the national team in 50 matches so far.

   (A)   has played

   (B)   has been playing

   (C)   played

   (D)   is playing

25. Wait here until I_____ you.

   (A)   will call

   (B)   am calling

   (C)   am going to call

   (D)   call

26. Choose the word nearest in meaning to the underlined word.

   He tried to *alleviate* the sufferings of his friend.

   (A)   Dissipate

   (B)   Abate

   (C)   Remove

   (D)   Relieve.

27. Choose the word nearest in meaning to the underlined word.

   The *grandeur* of God has to be realized.

   (A)   Holiness

   (B)   Divinity

   (C)   Magnificence

   (D)   Power

28. Select the word or phrase which is closest to the opposite in meaning of the underlined word or phrase:

   We have carefully studied your explanation and it sounds *plausible*.

   (A)   incoherent

   (B)   unconvincing

   (C)   undesirable

   (D)   impertinent

29. Select the word or phrase which is closest to the opposite in meaning of the underlined word or phrase:

Dwindling of resources was noticed at a later stage.

(A) Increase

(B) Paucity

(C) Availability

(D) Meagreness

30. Choose the correct phrasal verb:

Ritu has missed several days of school and now she is_____ in her homework.

(A) falling behind

(B) going without

(C) picking up

(D) turning out

31. Choose the correct phrasal verb:

Your savings will_____ over time.

(A) add on

(B) add in

(C) add up

(D) add upon

32. Choose appropriate quantifier to complete the sentence. my friends knew I was getting married.

(A) Not much of

(B) Not many of

(C) Not much

(D) Not many

33. Choose appropriate quantifier to complete the sentence.

We should use_____ time we have available to discuss Jon's proposal.

(A) the little of

(B) the little

(C) the few

(D) little

34. Rudra is suffering_____ an unknown illness. (use correct preposition)

    (A)   of   (B)   with

    (C)   from   (D)   in

35. Choose the correct sentence.

    (A)   Zika virus has broken out in our area

    (B)   Zika viruses have broken out in our area

    (C)   The Zika virus have broke out in our area

    (D)   Zika virus had been broken out in our area

(Reasoning)

36. A series is given, with one number missing choose the correct alternative from the given ones that will complete the series   111, 107.5, 104, ?, 97, 93.5

    (A)   100

    (B)   99.5

    (C)   100.5

    (D)   99

37. Select the related number from the given alternatives 64 : 8 : : 0.01 : ?

    (A)   0.1

    (B)   1

    (C)   10

    (D)   0.08

38. The weights of 4 boxes are 90, 30, 40 and 60 kilograms. Which of the following cannot be the total weight, in kilograms, of any combination of these boxes and in a combination a box can be used only once?

    (A)   200

    (B)   220

    (C)   180

    (D)   130

39. In a certain code language, '+' represents '×', '−' represents '+', '×' represents '÷' and '÷' represents '−'. What is the answer of the flowing questions?

    50 + 5 - 700 × 28 = ?

    (A)   94   (B)   100

    (C)   90   (D)   275

40. If 15 + 23 = 11 and 22 + 32 = 10 then 42 + 36 = ?

   (A)   26

   (B)   28

   (C)   33

   (D)   24

41. In a line of boys Aman is 12th from top and Baman is 18th from bottom. If there are 6 boys between Aman and Baman, then how many maximum boys are there in the row?

   (A)   34

   (B)   36

   (C)   35

   (D)   37

42. If FLATTER is coded as 7238859 and MOTHER is coded as 468159, than how is MAMMOTH coded?

   (A)   4344681

   (B)   4344651

   (C)   4146481

   (D)   434681

43. In the following question, select the related word pair from the given alternatives Players team : : ? : ?

   (A)   Car : Group

   (B)   Ship : Fleet

   (C)   Airplane : Flight

   (D)   Pan : Heap

44. Introducing a boy Rahul says, "He" is the son of the brother of the only daughter of my maternal grandfather. How is the boy related to the Rahul?

   (A)   Grandfather

   (B)   Son

   (C)   Cousin / Brother

   (D)   Father

45. In the following questions, by using which mathematical operators will expression become correct? 9 ? 3 ? 6 ? 8 ? 4 ?

   (A)   –, ×, = and ×

   (B)   ÷, +, >, and +

   (C)   +, ×, <, and ×

   (D)   ×, +, <, and ×

46. Abhinav started running from his house, he first ran for 12km towards west then he turned towards north and ran 16km in that direction. How far abhinav is from his house and in which direction?

 (A)   13km south

 (B)   13km north

 (C)   15km west

 (D)   20km north-west

47. Find out a set of numbers amongst the four sets of numbers given in the alternatives, which is the most similar to the numbers given in the question. Given (6, 30, 90).

 (A)   6,42,86

 (B)   7,42,218

 (C)   6,24,70

 (D)   8,48,192

48. Select the missing number from the given responses:

 134   34   100

 117   86   31

 87   ?   64

 (A)   120

 (B)   23

 (C)   55

 (D)   30

49. In the flowing questions, select the odd number-pair from the given alternatives:

 (A)   121-196

 (B)   441-484

 (C)   25-36

 (D)   169-196

50. If 35%31 = 12, 92%30 = 14 than what is the value of 15%24 =?

 (A)   12

 (B)   25

 (C)   33

 (D)   28

51. -----?-----, DREQ, GUHT, JXKW

    (A)   EFRS

    (B)   TGSF

    (C)   JWVI

    (D)   AOBN

52. At present, the ratio between the ages of Barun and Deepak is 4 : 3. After 6 years, Barun's age will be 26 years. What is the age of Deepak at present?

    (A)   15years

    (B)   19yesrs

    (C)   24 years

    (D)   12 years

Quantitative Aptitude

53. 9997 × 10003

    (A)   9999991

    (B)   99999911

    (C)   99999991

    (D)   9999911

54. A can do a work in 36 days and B in 12 days. If they work together, in how many days will they be able to do the work?

    (A)   8

    (B)   6

    (C)   10

    (D)   9

55. What is the area (in sq cm.) of a rhombus if the lengths of the diagonals are 12 cm and 14 cm?

    (A)   42

    (B)   168

    (C)   84

    (D)   63

56. If the shopkeeper sells an item at Rs. 4400 which is marked at Rs. 5000, than what is the discount that he is offering?

    (A)   20%

    (B)   12%

    (C)   15%

    (D)   10%

57. The flight fare between two cities is increased in the ratio 9:11. What is the increase (in Rs) in the fare, if the original fare was Rs.18,000?
    (A)   22000
    (B)   3600
    (C)   4000
    (D)   20000

58. Of the three numbers whose average is 40, the first is 1/3rd of the sum of other two. What is the first number?
    (A)   20
    (B)   50
    (C)   25
    (D)   30

59. A trader busy 500kg. of cotton for Rs 9,000. 10% of this cotton is spoiled due to rain. At what rate (Rs/Kg) should he sell the rest to earn 10% profit?
    (A)   25
    (B)   30
    (C)   22
    (D)   20

60. A student has to secure 40%marks to pass. He gets 67 and fails by 13 marks. What is the maximum marks?
    (A)   300
    (B)   200
    (C)   150
    (D)   240

61. A spaceship travels at 1,260km/h. How money metres does it travel in 1/10th of a second?
    (A)   126
    (B)   35
    (C)   36
    (D)   125

62. If the amount received at the end of 2nd and 3rd year at compound interest on a certain principal is Rs.1,800 and Rs1,926 respectively. What is the rate of interest?
    (A)   7.5%
    (B)   7%
    (C)   6%
    (D)   6.5%

63. If (– ½) × (x – 5) + 3 = – $^5/_2$ than what is the value of x ?

   (A)   16

   (B)   4

   (C)   ·6

   (D)   ·4

64. If a – b = 1 and ab = 6 then what is the value of (a³ – b³)?

   (A)   21

   (B)   23

   (C)   19

   (D)   25

65. A number is grater than 58 times its reciprocal by ¾ what is the number?

   (A)   ·8   (B)   12

   (C)   ·12   (D)   8

66. What is the sum of the first 13 terms of an arithmetic progression if the first term is –10 and last term is 26?

   (A)   104   (B)   140

   (C)   84   (D)   98

67. What is the reflection of the point (–0.5,6) in the x-axis?

   (A)   (0.5, – 6)   (B)   (–6,–0.5)

   (C)   (6, – 0.5)   (D)   (–0.5, –6)

68. At what point does the line 2x-3y = 6 cuts the Y-axis?

   (A)   (0, 2)   (B)   (-2,0)

   (C)   (2, 0)   (D)   (0, -2)

69. What is the value of cot 45° + cosec 60° ?

   (A) $\dfrac{\sqrt{6} \quad 1}{\sqrt{3}}$ (B) $\dfrac{1 \quad \sqrt{3}}{2}$

   (C) $\dfrac{5}{\sqrt{3}}$ (D) $\dfrac{\sqrt{3} \quad 2}{\sqrt{3}}$

70. Δ LMN is right angled at M. It m <N = 60° then tan L = ?

   (A) $\dfrac{1}{2}$ (B) $\dfrac{1}{\sqrt{3}}$

   (C) $\dfrac{1}{\sqrt{2}}$ (D)   2

******