

COMMON P. G. ENTRANCE TEST – 2020

Test Booklet No. :

DEPT. OF HIGHER EDUCATION, GOVT. OF ODISHA

TEST BOOKLET

Subject Code **14**

Subject **MBA (BUSINESS
ADMINISTRATION)**

Time Allowed : **90 Minutes**

Full Marks : **70**

: INSTRUCTIONS TO CANDIDATES :

1. IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION, YOU SHOULD CHECK THAT THIS TEST BOOKLET **DOES NOT** HAVE ANY UNPRINTED OR TORN OR MISSING PAGES OR ITEMS ETC. IF SO, GET IT REPLACED BY A COMPLETE TEST BOOKLET.
2. You have to enter your **Hall Ticket No.** on the Test Booklet in the Box provided alongside. **DO NOT** write *anything else* on the Test Booklet.
3. **YOU ARE REQUIRED TO 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 AT THE RISK OF THE CANDIDATE.**
4. This Test Booklet contains **70 items (questions)**. Each item (question) comprises **four responses (answers)**. You have to select the correct response (answer) which you want to mark (darken) on the Answer Sheet. In case, you feel that there is more than one correct response (answer), you should mark (darken) the response (answer) which you consider the best. In any case, choose **ONLY ONE response (answer) for each item (question)**.
5. You have to mark (darken) all your responses (answers) **ONLY** on the **separate Answer Sheet** provided by using **BALL POINT PEN (BLUE OR BLACK)**. See instructions in the Answer Sheet.
6. All items (questions) carry equal marks. All items (questions) are compulsory. Your total marks will depend only on the number of correct responses (answers) marked by you in the Answer Sheet. **There is no negative marking.**
7. **After you have completed filling in all your responses (answers) on the Answer Sheet and after conclusion of the examination, you should hand over to the Invigilator the Answer Sheet issued to you. You are allowed to take with you the candidate's copy / second page of the Answer Sheet along with the Test Booklet, after completion of the examination, for your reference.**
8. Sheets for rough work are appended in the Test Booklet at the end.

DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE ASKED TO DO SO

Direction (Q. No. 1 and 2) : Choose the correct option from the choices listed below each question.

1. The second half of the movie was _____ interesting.
(A) little
(B) less
(C) least
(D) few
2. The lady to _____ you sent the parcel has moved to a new address.
(A) who
(B) whom
(C) whose
(D) which

Direction (Q. No. 3 to 6) : Select the word which is closest to the opposite in meaning of the underlined word.

3. The conciseness of his expression surprised me.
(A) Redundancy
(B) Richness
(C) Felicity
(D) Terseness
4. The officer asked the clerk to expedite the matter.
(A) Postpone
(B) Defer
(C) Adjourn
(D) Delay
5. The inhabitants of the island were barbarians.
(A) Holy
(B) Uncivilised
(C) Cruel
(D) Civilised

6. The painting is full of radiant colours.

- (A) Rare
- (B) Bright
- (C) Dull
- (D) Delicate

Direction (Q. No. 7 to 10) : Choose the word nearest in meaning to the underlined word :

7. He is so garrulous that all sober persons avoid his company.

- (A) Quarrelsome
- (B) Talkative
- (C) Domineering
- (D) Foolish

8. Indolent people never succeed in life.

- (A) Sluggish
- (B) Inactive
- (C) Slow
- (D) Slothful

9. The import technology as an alternative to indigenous technology has not been discussed fully :

- (A) Aboriginal
- (B) Indigent
- (C) Terrestrial
- (D) Native

10. He likes his friend in spite of his little frailties :

- (A) Frenzy
- (B) Ego
- (C) Oddities
- (D) Weaknesses

Direction (Q. No. 11 and 12) : Choose the correct sentence.

11. (A) The rat ran in the hole.
(B) The rat ran into the hole.
(C) The rat ran to the hole.
(D) The rat across the hole.
12. (A) Ravi is suffering of fever.
(B) Ravi is suffering with fever.
(C) Ravi is suffering from fever.
(D) Ravi is suffering in fever.

Direction (Q. No. 13 to 16) : Choose the correct alternative to fill in the blanks.

13. The _____ faulty.
(A) equipments are
(B) equipment was
(C) equipments were
(D) equipment were
14. _____ arrived for you this morning.
(A) A furniture
(B) Some furniture
(C) Some furnitures
(D) Furniture
15. We would have passed if we _____ harder.
(A) studied
(B) had studied
(C) study
(D) will have studied
16. Each of the answers _____ worth 20 points.
(A) are
(B) were
(C) is
(D) have

17. Odisha State Anthem "Bande Utkal Janani" was written by :
- (A) Utkalmani Gopabandhu Das
 - (B) Utkal Gaurab Madhusudan Das
 - (C) Kanta Kabi Laxmikanta Mohapatra
 - (D) Bhakta Kabi Madhusudan Rao
18. When did the Citizen Amendment Act (CAA) passed by Government of India ?
- (A) June 2014
 - (B) November 2017
 - (C) December 2019
 - (D) January 2020
19. From which country recently India purchased the multirole fighter aircraft Raffale for the use of the Indian Air Force?
- (A) Egypt
 - (B) France
 - (C) Germany
 - (D) Russia
20. Which of the following places on Indo-China Border is recently in news for the violent face-off between the Indian Army and the PLA of China ?
- (A) Galwan Valley
 - (B) Depsang Plains
 - (C) Axsai Chin
 - (D) Doklam Valley
21. The Vedic texts are divided into two parts are known as :
- (A) Sruti and Smruti
 - (B) Shukla and Krishna
 - (C) Sutra Shastra
 - (D) None of the above

22. In which year the China-Pakistan Economic Corridor Agreement was signed between China and Pakistan ?
- (A) 2007
 - (B) 2009
 - (C) 2012
 - (D) 2015
23. Human beings are referred to as Homo sapiens, which device is called Silico Sapiens ?
- (A) Monitor
 - (B) Hardware
 - (C) Robot
 - (D) Computer
24. Different components of the motherboard of a PC unit are linked together by sets of parallel electrical conducting lines. What are these lines called ?
- (A) Conductors
 - (B) Buses
 - (C) Connectors
 - (D) Consecutive
25. Electrically charged particles from space travelling at speeds of several hundred km/sec. can severely harm living beings if they reach the surface of the Earth. What prevents them from reaching the surface of the Earth ?
- (A) Ozone layer around the Earth reflects them back to outer space
 - (B) The Earth's magnetic field diverts them towards its poles
 - (C) Moisture in the upper layers of atmosphere prevents them from reaching the earth
 - (D) None of the above
26. The function of heavy water in a nuclear reactor is to :
- (A) Slow down the speed of neutrons
 - (B) Cool down the reactor
 - (C) Increase the speed of neutrons
 - (D) Stop the nuclear reaction

27. Fruits stored in a cold chamber exhibit longer storage life because :
- (A) Rate of respiration is decreased
 - (B) Exposure to sunlight is prevented
 - (C) Concentration dioxide in the is increased of carbon environment
 - (D) There is an increase in humidity
28. The genetic material of Corona Virus that causes Covid-19 is :
- (A) DNA
 - (B) RNA
 - (C) Polysaccharide
 - (D) Polypeptide
29. According to the National Education Policy (NEP) 2020, to what percent the Gross Enrolment Ratio in higher Education to be raised 2035 ?
- (A) 25%
 - (B) 30%
 - (C) 40%
 - (D) 50%
30. The GST council has decided a four tier structure of taxation to cover most goods and services. Which of the following is a correct group of these four tiers ?
- (A) 5%, 10%, 15% and 20%
 - (B) 5%, 12%, 18% and 22%
 - (C) 5%, 12%, 18% and 28%
 - (D) 5%, 13%, 18% and 32%
31. Which stock exchange is the oldest stock exchange in India ?
- (A) National Stock Exchange
 - (B) Bombay Stock Exchange
 - (C) Integrated Stock Exchange
 - (D) None of the above
32. Which bank is called bankers bank ?
- (A) State Bank of India
 - (B) Central Bank of India
 - (C) Commercial Banks
 - (D) Exim Bank

33. If a General Manager asks the Sales Manager to recruit some Salesmen on his behalf, it is an instance of :
- (A) Division of authority
 (B) Decentralization of authority
 (C) Delegation of authority
 (D) Delegation of responsibility
34. India is a :
- (A) Developed Country
 (B) Developing Country
 (C) Capitalist Country
 (D) Highly Industrialized Country
35. In the following question select the related number from the given alternatives :
 256 : 290 :: 961 : ?
- (A) 1011
 (B) 1017
 (C) 1025
 (D) 1023
36. In a certain code language 'GARNISH' is written as 'RGAINHS'. How will 'GENIOUS' be written in that code ?
- (A) NEGIOUS
 (B) ENGOIUS
 (C) GENOISU
 (D) NGEOISU
37. If "A" denotes "added to", "C" denotes "divided by", "D" denotes "multiplied by" and "B" denotes "subtracted from", then $72C9D2B6A10$:
- (A) 30
 (B) 20
 (C) 35
 (D) 40
38. Complete the series :
 3, 5, 35, 10, 12, 35, _____, _____.
- (A) 19, 35
 (B) 17, 19
 (C) 19, 24
 (D) 22, 35

39. Fill in the blank (?) :

2	3	8
4	5	10
6	7	12
<hr/>		
32	50	?

- (A) 128 (B) 92
(C) 200 (D) 30

40. If $9\theta 11\alpha 2 = 40$ and $13\theta 12\alpha 3 = 75$ then $40\theta 41\alpha 5 = ?$

- (A) 340 (B) 365
(C) 320 (D) 405

41. Which one set of letters when sequencing placed at the gaps in the given letter series shall complete it ?

BR _ _ NB _ O _ NB

- (A) OWOW (B) RORO
(C) WNWN (D) OWRW

42. A series is given with one term missing. Choose the correct alternatives from the given ones that will complete the series.

?, Kerosene, Diesel, Fuel, Oil

- (A) Lubricating Oil (B) Asphalt
(C) Petrol (D) Wax

43. Raju drives 25km north and turns left and travels 5 km and reaches point 'O'. He then turns right and covers another 5 km. Afterwards turns to east and drives 5 km. How much distance he has to travel to go back to the starting point ?

- (A) 35 kms (B) 25 kms
(C) 30 kms (D) 20 kms

44. Ann, Bill and Ken shared some stamps in the ratio 2 : 3 : 4. After a game the ratio became 5 : 2 : 2. If Ann won 21 stamps how many did Ken lose ?

- (A) 28 (B) 21
(C) 7 (D) 14

45. Find out the odd letters from the given alternatives :
- (A) EV (B) GT
(C) JQ (D) PL
46. In the following question, select the odd word from the given alternatives :
- (A) Farmer (B) Blacksmith
(C) Cobbler (D) Helper
47. In a row at a bus stop. 'A' is the 7th from the left and 'B' is 9th from the right. They both interchange their positions. Now 'A' becomes 11th from the left. How many people are there in the row ?
- (A) 10 (B) 20
(C) 19 (D) 18
48. At present, the ratio between the ages of Arun and Deepak is 4 : 3. After 6 years, Arun's age will be 26 years. What is the age of Deepak at present ?
- (A) 15 years (B) 19 years
(C) 24 years (D) 12 years
49. If 'x' means '+', '÷' means '-', '+' means '÷' and '-' means 'x' then what should be the value of the given equation ?
- $$14 \times 4 \div 70 + 10 - 2 = ?$$
- (A) 33 (B) 15
(C) 30 (D) 4
50. Arun said, "This girl is the wife of the grandson of my mother". Who is Arun to the girl ?
- (A) Grandfather (B) Husband
(C) Father-in Law (D) Father
51. In the following question, select the related word from the given alternatives.
- Phycology : Algae :: ? : ?
- (A) Eccrinology : Amphibians
(B) Selenography : Blood
(C) Haematology : Blood
(D) Entomology : Soil

52. If 'JUNE' is written as 'PQRS', an 'August' is written as 'WQFQMN'. How can 'GUEST' be written in this same coding language ?
- (A) FPSMN (B) FQSMN
(C) FQSNM (D) FQTMN
53. On dividing $144 a^3 b^3 c^3$ by $24 ab^2c$, we get :
- (A) $6 a^3 b^2 c$ (B) $6 a^2 bc^2$
(C) $24 a^3 bc^2$ (D) $24 b^2 c$
54. If $x^2 - x\sqrt{68} + 1 = 0$, then what is the value of $\left(x - \frac{1}{x}\right)$?
- (A) $\sqrt{66}$ (B) 8
(C) $\sqrt{62}$ (D) 6
55. If $x+y = 7$, then what is the value of $x^3 + y^3 + 21xy$?
- (A) 343 (B) 29
(C) 294 (D) 288
56. If $2a - \left(\frac{2}{a}\right) + 4 = 0$, then what is the value of $a^3 - \frac{1}{a^3} + 14$?
- (A) -14 (B) -12
(C) 0 (D) 14
57. A wholesaler sells a watch to a retailer at a gain of 32% and the retailer sells it to a customer at a loss of 20%. If the customer pays ₹ 1953.6, what had it cost the wholesaler ?
- (A) 2063 (B) 2394
(C) 1850 (D) 1637
58. After giving a discount of 44% a cycle is sold for ₹ 17,920. What is the marked price (in ₹) of the cycle ?
- (A) 28,000 (B) 31,500
(C) 32,000 (D) 35,000

59. What is the value of $\tan\left(\frac{5\pi}{6}\right)\sin\left(\frac{7\pi}{6}\right)$?

(A) $\frac{1}{\sqrt{3}}$

(B) $\frac{2}{\sqrt{3}}$

(C) $\frac{1}{2\sqrt{3}}$

(D) $\frac{1}{2}$

60. Which of the following numbers is completely divisible by 99 ?

(A) 51579

(B) 51557

(C) 55036

(D) 49984

61. 80 meter away from the foot of the tower, the angle of elevation of the top of the tower is 60° . What is the height (in metres) of the tower ?

(A) 40

(B) $60\sqrt{3}$

(C) $80\sqrt{3}$

(D) $\frac{40}{\sqrt{3}}$

62. If $\cos C + \cos D = x$, then the value of x is :

(A) $2 \cos\left(\frac{C+D}{2}\right)\cos\left(\frac{C-D}{2}\right)$

(B) $2 \sin\left(\frac{C+D}{2}\right)\sin\left(\frac{C-D}{2}\right)$

(C) $2 \cos\left(\frac{C+D}{2}\right)\sin\left(\frac{C-D}{2}\right)$

(D) $2 \sin\left(\frac{C+D}{2}\right)\cos\left(\frac{C-D}{2}\right)$

63. What is the value of positive square root of $(69 + 28\sqrt{5})$?

(A) $7 + 2\sqrt{5}$

(B) $7 - 2\sqrt{5}$

(C) $2 + 7\sqrt{5}$

(D) $2 - 7\sqrt{5}$

64. A boy added all natural numbers from 1 to 12, however he added one number twice due to which the sum becomes 80. What is the number which he added twice ?
- (A) 3 (B) 2
(C) 7 (D) 8
65. If the length of the diagonal of a cube is $8\sqrt{3}$ cm, then its surface area is :
- (A) 192 cm^2 (B) 512 cm^2
(C) 768 cm^2 (D) 384 cm^2
66. The product of digits of a 2-digit number is 24. If we add 45 to the number, the new number obtained is a number formed by interchanging the digits. What is the original number ?
- (A) 54 (B) 83
(C) 38 (D) 45
67. If $\cos x + \cos y = 2$, then the value of $\sin x + \sin y$ is :
- (A) 0 (B) 1
(C) 2 (D) -1
68. Sister can bake 50 cakes in 25 hours. Sister and Mummy together can bake 75 cakes in 15 hours. How many cakes Mummy can bake in 15 hours ?
- (A) 25 (B) 45
(C) 20 (D) 10
69. $3^{11} + 3^{12} + 3^{13} + 3^{14}$ is divisible by :
- (A) 7 (B) 8
(C) 11 (D) 14
70. The external bisector of $\angle B$ and $\angle C$ of $\triangle ABC$ (where AB and AC extended to E and F respectively) meet at point P. If $\angle BAC = 100^\circ$, then the measure of $\angle BPC$ is :
- (A) 50° (B) 80°
(C) 40° (D) 100°



SPACE FOR ROUGH WORK
