

# DME 3rd grade Exam Paper

12.02.2023

1. What is the National Bird of India?  
[A] Indian Peacock ✓  
[B] Hornbill  
[C] Dove  
[D] Pigeon
2. What is 'Vijay Ghat'?  
[A] Famous temple at Himachal Pradesh  
[B] Place of worship of the Indian Armed Forces ✓  
[C] Samadhi of Lal Bahadur Shastri  
[D] A place near the Ellora Caves
3. Which of the following Indian States does not share its border with Pakistan?  
[A] Punjab  
[B] Rajasthan  
[C] Gujarat  
[D] Uttarakhand ✓
4. Who was the first woman to receive the Jnanpith Award?  
[A] Maitreyi Devi  
[B] Sucheta Kripalani  
[C] Ashapura Devi ✓  
[D] Leila Seth
5. Who composed the song, 'Vande Mataram'?  
[A] Rabindranath Tagore  
[B] Bankim Chandra Chatterjee ✓  
[C] Veer Savarkar  
[D] Chittaranjan Das
6. Where is the famous playground 'Eden Gardens'?  
[A] New York  
[B] London  
[C] Srinagar  
[D] Kolkata ✓
7. Keoladeo National Park is situated in  
[A] Rajasthan ✓  
[B] Sikkim  
[C] Gujarat  
[D] Karnataka
8. Which of the following seaports of India is situated on the coast of the Arabian Sea?  
[A] Haldia Port  
[B] Paradip Port  
[C] Machilipatnam Port ✓  
[D] Kandla Port
9. Which is the southernmost continent of the world?  
[A] South America  
[B] Oceania ✓  
[C] Africa  
[D] Antarctica
10. Who is the only cricketer to be honoured with the Bharat Ratna?  
[A] Sachin Tendulkar ✓  
[B] Vinoo Mankad  
[C] Don Bradman  
[D] Mansur Ali Khan Pataudi

11. How many spokes are there in the Ashoka Chakra?
- [A] 10  
[B] 24 ✓  
[C] 26  
[D] 30
12. Who is the author of the book, *A Tale of Two Cities*?
- [A] Charles Dickens  
[B] William Shakespeare ✓  
[C] Jonathan Swift  
[D] Mary Shelley
13. Who among the following is not a lawn tennis player?
- [A] Leander Paes  
[B] Martina Navratilova  
[C] Morten Frost  
[D] Rafael Nadal
14. Who was the last king of the Ahom kingdom in Assam?
- [A] Chakradhwaj Singha ✓  
[B] Pramatta Singha  
[C] Purandar Singha  
[D] Rajeswar Singha
15. Which of the following is not a folk dance of Assam?
- [A] Jhumur  
[B] Bagurumba ✓  
[C] Deodhani  
[D] Chhau
16. Who among the following is known as 'Rasaraj'?
- [A] Lakshminath Bezbaruah ✓  
[B] Nabin Chandra Bordoloi  
[C] Tarun Ram Phukan  
[D] Jyoti Prasad Agarwala
17. Emperor Ashoka was the most famous king of
- [A] Maurya Dynasty ✓  
[B] Gupta Dynasty ✓  
[C] Saka Dynasty  
[D] Chalukya Dynasty
18. The Second Battle of Panipat was fought during the reign of
- [A] Babar ✓  
[B] Humayun  
[C] Akbar  
[D] Jahangir
19. The First Schedule of the Indian Constitution
- [A] contains the forms of oath and affirmation  
[B] consists of the list of the States and Union Territories  
[C] contains the list of languages recognized by the Parliament  
[D] consists of the provisions regarding powers, authority, etc.
20. Who among the following acts as the Chairman of the Rajya Sabha of the Indian Parliament?
- [A] The Speaker of the Lok Sabha  
[B] The Chief Justice of India  
[C] The Vice President of India  
[D] The President of India

21. Heat energy can travel easily through which of the following materials?

- [A] Amber ✓
- [B] Wood
- [C] Porcelain
- [D] Copper

22. Metre per second is a unit of

- [A] acceleration
- [B] displacement
- [C] velocity ✓
- [D] length

23. Change in direction of light while travelling from one medium to another is called

- [A] reflection ✓
- [B] diffraction
- [C] interference
- [D] refraction

24. Which of the following turns blue litmus to red?

- [A] Acid
- [B] Alkali
- [C] Salt
- [D] Base

25. An element is composed of

- [A] molecules
- [B] compounds
- [C] plasma
- [D] atoms

26. The potato we eat is a modified

- [A] root
- [B] stem
- [C] seed
- [D] fruit -

27. Which of the following is the largest gland of human body?

- [A] Ovary
- [B] Liver ✓
- [C] Thyroid
- [D] Pancreas

28. Vitamin C deficiency leads to

- [A] scurvy ✓
- [B] beriberi
- [C] pellagra
- [D] rickets

29. Cholera is caused by

- [A] bacteria ✓
- [B] fungus
- [C] virus
- [D] worms

30. Which gas is responsible for depletion of ozone layer around the earth which protects us from harmful UV rays?

- [A] Nitrogen
- [B] Nitrogen oxide ✓
- [C] Chlorofluorocarbon
- [D] Argon



31. The synonym of 'baffle' is  
[A] understanding  
[B] impartial  
[C] confuse .  
[D] joyful
32. The antonym of 'brave' is  
[A] coward .  
[B] bold  
[C] stout  
[D] valiant
33. Complete the following English proverb :  
"Strike while the iron is \_\_\_\_."  
[A] long  
[B] short  
[C] cold  
[D] hot .
34. Complete the following sentence with the correct pronoun given below :  
"He is the only one of those men \_\_\_\_ is always on time."  
[A] whose  
[B] which ✗  
[C] whom  
[D] who .
35. Complete the following sentence with the correct preposition given below :  
"Her house is \_\_\_\_ the street."  
[A] between  
[B] from  
[C] across  
[D] within

36. What is the superlative form of 'deadly' ?  
[A] Deadliest  
[B] Deadeast  
[C] Deadlest  
[D] Deadlyiest
37. What is the collective noun for 'thieves' ?  
[A] Herd  
[B] Pack  
[C] Bunch  
[D] Haul
38. A person who sells meat is called  
[A] butcher  
[B] butler  
[C] brewer  
[D] cobbler
39. Use the correct word to complete the sentence :  
"The staircase gives \_\_\_\_ to the top floor."  
[A] excess  
[B] access  
[C] accept  
[D] except
40. What is the opposite gender of 'uncle' ?  
[A] Aunt  
[B] Niece  
[C] Widow  
[D] Spinster

41. Simplify the following :

$$2.002 + 7.9 \{ 2.8 - 6.3(3.6 - 1.5) + 15.6 \}$$

- [A] 2.002  
[B] 4.2845  
[C] 40.843  
[D] 42.845

42. The sum of two numbers is  $-5$ . If one number is  $\frac{5}{6}$ , then the other number is

- [A]  $-5\frac{5}{6}$   
[B]  $5\frac{5}{6}$   
[C]  $-3\frac{1}{6}$   
[D]  $3\frac{1}{6}$

43. The base of an isosceles triangle is 12 cm and its perimeter is 32 cm. What is the area of the triangle?

- [A]  $20 \text{ cm}^2$   
[B]  $44 \text{ cm}^2$   
[C]  $48 \text{ cm}^2$   
[D]  $24\sqrt{2} \text{ cm}^2$

44. If the thickness of 500 sheets of paper is 3.5 cm, then the thickness of 275 sheets of paper is

- [A] 1.625 cm  
[B] 1.725 cm  
[C] 1.825 cm  
[D] 1.925 cm

45. A vendor purchased 40 dozen bananas for ₹ 1,250. Out of these, 30 bananas were rotten and could not be sold. At what rate per dozen should he sell the remaining bananas to make a profit of 20%?

- [A] ₹ 40  
[B] ₹ 12  
[C] ₹ 30  
[D] ₹ 38

46. The sum of two numbers is 2490. If 6.5% of one number is equal to 8.5% of the other, the bigger number is

- [A] 1079  
[B] 1041  
[C] 1409  
[D] 1411

47. Which of the following is not a perfect square?

- [A] 225  
[B] 474  
[C] 576  
[D] 961

48. What should be subtracted from  $a^3 - 4a^2 + 5a - 6$  to obtain  $a^2 - 2a + 1$ ?

- [A]  $-a^3 + 5a^2 - 7a + 7$   
[B]  $a^3 - 5a^2 + 7a - 7$   
[C]  $-a^3 - 5a^2 + 7a + 7$   
[D]  $a^3 + 5a^2 - 7a - 7$

49. Which of the following statements is not true for a rectangle?

- [A] Diagonals are equal.  
[B] Diagonals bisect each other.  
[C] Diagonals are perpendicular.  
[D] Rectangle has two pairs of equal sides.

50. A and B can do a piece of work in 10 days, B and C can do the same work in 15 days while C and A can do it in 20 days. In how many days can B alone do the same work?

- [A] 11 days  
[B]  $11\frac{1}{7}$  days  
[C] 17 days  
[D]  $17\frac{1}{7}$  days