

Sr. No.8002.....

ENTRANCE TEST-2024

BS 4-Year Undergraduate Programme (FYUGP) through
"Design Your Degree" (DYD) Mode

Question Booklet Series

B

Total Questions : 60
Time Allowed : 90 Minutes

Roll No.

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1. Write your roll number in the space provided at the top of this page of question booklet and fill up the necessary information in the spaces provided on OMR Answer sheet.
2. OMR Answer sheet has an original copy and a candidate's copy glued beneath it at the top. While making entries in the original copy, candidate should ensure that the two copies are aligned properly so that the entries made in the original copy against each item are exactly copied in the candidate's copy.
3. All entries in the OMR answers sheet including answers to questions are to be recorded in the original/Carbon copy.
4. Use only blue/ black ball point pen to darken the circle of correct / most appropriate response. In no case gel/ ink pen or pencil should be used.
5. **Do not darken more the one circle of option for any question. A question with more than or darkened response shall be considered wrong.**
6. There will be negative marking for wrong answers. Each wrong answer will lead to the deduction of 0.25 marks from the total score of the candidate.
7. Only those candidates who would obtain positive score in entrance test examination shall be eligible for admission.
8. Do not make any stray mark on the OMR sheet.
9. Calculators and mobiles shall not be permitted inside the examination hall.
10. Rough work, if any, should be done on the blank sheets provided with the question booklet.
11. OMR answer sheet must be handled carefully and it should not be folded or mutilated in such case it will not be evaluated.
12. Ensure that your OMR Answer sheet has been signed by the invigilator and the candidate himself/herself.
13. At the end of the examination hand over the OMR answer sheet to the invigilator who will first tear off the original OMR sheet in presence of the candidate and hand over the candidate's copy to the candidate.
14. If any of the information in the response Sheet/Question Paper has been found missing or not mentioned as stated above the candidate is solely responsible for that lapse.

- 5008
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1. The largest public sector undertaking of our country is?
 - A. Railways
 - B. Airways
 - C. Roadways
 - D. Iron and Steel Plants
 2. My brother was trembling — cold.
 - A. from
 - B. by
 - C. of
 - D. with
 3. What is the name of the first Indian woman who wins the Man Booker Prize?
 - A. Anita Desai
 - B. Arundhati Roy
 - C. Barkha Dutt
 - D. Kiron Kher
 4. Why do we need to include a financial plan in the business plan?
 - A. Demonstrate potential value of company to investors.
 - B. Demonstrate health and value of company to credit providers.
 - C. Setting a baseline for measuring and monitoring company development.
 - D. All of the above
 5. Find the odd number/letters from the given alternatives.
 - A. Swimming
 - B. Sailing
 - C. Driving
 - D. Diving
 6. Who is the father of Genetics?
 - A. Gregor Mendel
 - B. Thomas Hunt Morgan
 - C. Francis Galton
 - D. Krateuas
 7. Which country recently sent the Smart Lander for Investigating the Moon (SLIM)?
 - A. USA
 - B. Russia
 - C. China
 - D. Japan
 8. Select the Synonym of "Abrupt"
 - A. Calm
 - B. Noisy
 - C. Sudden
 - D. All of these
 9. The pyramid of energy in a forest ecosystem is:
 - A. always upright
 - B. always inverted
 - C. sometimes upright and sometimes inverted
 - D. with a broad top and tapering at base
 10. What is the definition of innovation?
 - A. Replicating existing ideas
 - B. Creating new or improved products, services, or processes
 - C. Ignoring technological advancements
 - D. Following industry norms

11. Which of the following is the longest river that originates in India?

- A. Brahmaputra
- B. Ganga
- C. Yamuna
- D. Godavari

12. By selling the bicycle for ₹2850, a shopkeeper gains 14%. If the profit is reduced to 8%, then the selling price will be:

- A. 2600
- B. 2700
- C. 2800
- D. 2900

13. A situation where there is more demand than supply for the products is known as?

- A. Full demand
- B. Overfull demand
- C. Irregular demand
- D. Latent demand

14. Select The correct PROPOSITION: I shall abide — my promise.

- A. for
- B. with
- C. to
- D. by

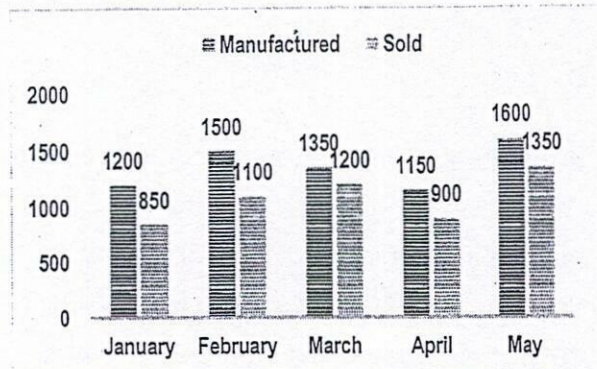
15. A three tier Panchayat is envisaged for states having population above _____.

- A. 10 lakhs
- B. 15 lakhs
- C. 20 lakhs
- D. 25 lakhs

Directions for Questions 16 - 20

Study the following bar chart carefully and answer the questions given below.

The bar graph given below shows the number of Laptops manufactured and sold by HP in five different months.



16. What is the average of number of laptops that are not sold in January, February, and March together?

- A. 300
- B. 350
- C. 400
- D. 500

17. The number of laptops that are sold by HP in May is what percent of the number of laptops manufactured by HP in February?

- A. 75
- B. 85
- C. 90
- D. 95

18. What is the ratio of the number of laptops manufactured by HP in May to the sum of the number of laptops sold by HP in February and April together?

- A. 1:2
- B. 2:3
- C. 4:5
- D. 5:6

19. What is the difference between the number of laptops manufactured by HP in March and April together and the number of laptops manufactured by HP in January and February together?

- A. 150
- B. 200
- C. 250
- D. 300

20. If the number of laptops manufactured by HP in June is 20% more than the number of laptops manufactured by HP in May and the number of laptops sold by HP in June is 75%, then what is the number of laptops sold by HP in June?

- A. 1320
- B. 1440
- C. 1580
- D. 1260

21. What does the term "angel investor" mean in entrepreneurship?

- A. Someone with no financial interest in start-ups
- B. A wealthy individual who provides funding to early-stage start-ups
- C. Ignoring investor relations
- D. Standardizing funding sources

22. Friend is related to Foe in the same way as Union is related to?

- A. separate
- B. different
- C. discord
- D. divorce

23. Who of the following was known as Frontier Gandhi?

- A. Abdul Gaffar Khan
- B. Md. Ali Jinnah
- C. Gopal Krishna Gokhale
- D. C.R. Das

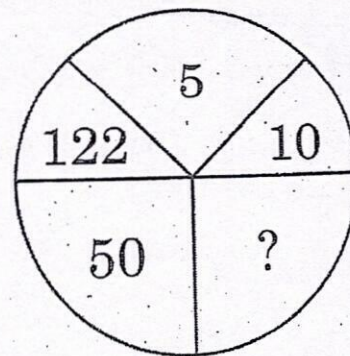
24. $21 : 3 :: 574 : ?$

- A. 23
- B. 82
- C. 97
- D. 113

25. From which country Pablo Picasso is a celebrated artist?

- A. USA
- B. Spain
- C. Italy
- D. Australia

26. What will be the missing number?



- A. 23
- B. 25
- C. 26
- D. 27

27. Letter : Word

- A. Homework : School
- B. Club : People
- C. Product : Factory
- D. Page : Book

28. A person who helps another do a crime is called....

- A. Cuckold
- B. Amateur
- C. Accomplice
- D. Changeling

29. Pointing to Kapil, Shilpa said, "His mother's brother is the father of my son Ashish." How is Kapil related to Shilpa?

- A. Sister in law
- B. Nephew
- C. Niece
- D. Aunt

30. Rajatarangini, a book on heritage of Kashmir written by__:

- A. Pravaragupta
- B. Kalhana
- C. Lalitapida
- D. Kashyapa

31. Find the missing number.

56	65	78
12	?	30
44	14	48

- A. 14
- B. 44
- C. 51
- D. 32

32. Choose the word which is essential part of "harvest"

- A. Autumn
- B. Stockpile
- C. Tractor
- D. Crop

33. Which one of the following is NOT included in four C's evaluation by a lender?

- A. Character
- B. Cost
- C. Continuity
- D. Contribution

34. Which is the first country in the world to be free of leprosy?

- A. India
- B. Jordan
- C. Bangladesh
- D. Malaysia

35. AG : IO :: EK : ?

- A. LR
- B. MS
- C. PV
- D. SY

36. Which country has been affected by Hurricane Helen in September 2024?

- A. America
- B. China
- C. France
- D. Spain

37. Circle : Circumference :: Square : ?

- A. Volume
- B. Area
- C. Perimeter
- D. Diagonal

38. Why is a diverse team considered beneficial for innovation?

- A. Homogeneous teams foster creativity
- B. Encourages groupthink
- C. Ignoring varied perspectives
- D. Brings different viewpoints and ideas to the table

39. What is it called to restart a computer that is already running?

- A. Booting
- B. Starting
- C. Running
- D. Rebooting

40. An entrepreneur who is the owner of more than one business is called:

- A. Portfolio Entrepreneur
- B. Intrapreneur
- C. Corporate Entrepreneur
- D. None of the above

Directions for question numbers

41-45

Read the passage carefully and answer the questions 41-45

Dolphins are regarded as the friendliest creatures in the sea and stories of them helping drowning sailors have been common since Roman times. The more we learn about dolphins, the more we realize that their society is more complex than people previously imagined. They look after other dolphins when they are ill, care for pregnant mothers and protect the weakest in the community, as we do. Some scientists have suggested that dolphins have a language but it is much more probable that they communicate with each other without needing words. Could any of these mammals be more intelligent than man? Certainly, the most common argument in favour of man's superiority over them that we can kill them more easily than they can kill us is the least satisfactory. On the contrary, the more we discover about these remarkable creatures,

the less we appear superior when we destroy them.

41. It is clear from the passage that dolphins.....

- A. don't want to be with us as much as we want to be with them
- B. are proven to be less intelligent than once thought
- C. have a reputation for being friendly to humans
- D. are the most powerful creatures that live in the oceans

42. What have some scientists suggested about dolphins?

- A. They can build shelters
- B. They have a language
- C. They can read human emotions
- D. They are stronger than humans

43. The fact that the writer of the passage thinks that we can kill dolphins more easily than they can kill us ----.

- A. means that they are better adapted to their environment than we are
- B. shows that dolphins have a very sophisticated form of communication
- C. proves that dolphins are not the most intelligent species at sea
- D. does not mean that we are superior to them

44. One can infer from the reading that ----.

- A. dolphins are quite abundant in some areas of the world
- B. communication is the most fascinating aspect of the dolphins
- C. dolphins have some social traits that are similar to those of humans
- D. it is not usual for dolphins to communicate with each other

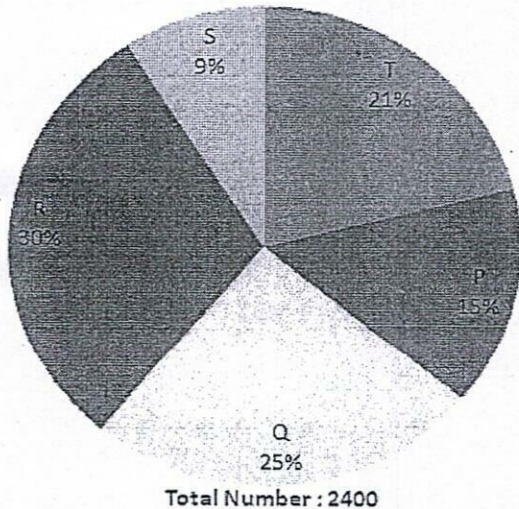
45. What has been a common story about dolphins since Roman times?

- A. They lead ships to safety.
- B. They help drowning sailors.
- C. They communicate with humans.
- D. They travel in large groups.

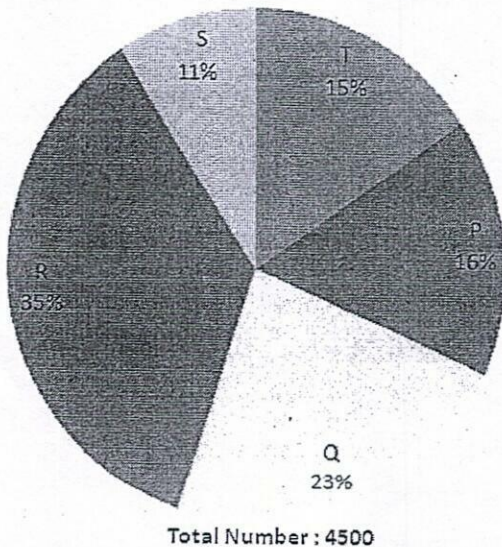
Directions for Questions 46 – 50

Refer to the pie-chart and answer the given questions.

Distribution of total number of Dell Laptops Sold by 5 Stores.



Distribution of the number of Laptops (both Dell and Lenovo) Sold by 5 Stores in 2015.



46. Number of Dell Laptops sold by store Q is approximately what percent of the number of laptops (both Dell and Lenovo) sold by store R?

- A. 28%
- B. 45%
- C. 50%
- D. 38%

47. Number of Dell Laptops sold by store T is what percent more than the number of laptops sold by store P?

- A. 30%
- B. 40%
- C. 42.5%
- D. 45%

48. What is the average number of laptops sold by P R and S together?

- A. 424
- B. 428
- C. 432
- D. 454

49. What is the difference between the number of laptops (both Dell and Lenovo) sold by store Q and the number of Lenovo laptops sold by R and S together?

- A. 95
- B. 99
- C. 119
- D. 185

50. What is the central angle corresponding to the Dell laptops sold by store S?

- A. 29.6°
- B. 32.4°
- C. 36.2°
- D. 38.6°

51. The green planet in the solar system is?
- A. Mars
 - B. Uranus
 - C. Venus
 - D. Earth
52. Giant : Dwarf :: Genius : ?
- A. Wicked
 - B. Gentle
 - C. Idiot
 - D. Tiny
53. What is the "minimum viable product" (MVP) in entrepreneurship?
- A. Creating complex products
 - B. Developing a basic version of a product with essential features
 - C. Ignoring product testing
 - D. Standardizing product development
54. The antonyms of Stale is.....
- A. Old
 - B. Break
 - C. Tale
 - D. Fresh
55. In another planet, the local terminology for 'earth', 'water', 'light', 'air' and sky are 'sky', 'light', 'air', 'water', and 'earth' respectively. If someone is thirsty there, what would he drink?
- A. Light
 - B. Air
 - C. Sky
 - D. Water
56. What is the reason behind the Bats flying in the dark?
- A. they produce high pitched sounds called ultrasonics
 - B. the light startles them
 - C. they have a perfect vision in the dark
 - D. none of the above
57. Which of these is not a type of entrepreneurship?
- A. Small business entrepreneurship
 - B. Scalable entrepreneurship
 - C. Large scale entrepreneurship
 - D. Intrapreneurship
58. Which of the following is the purest form of Iron?
- A. Pig iron
 - B. Cast iron
 - C. Wrought iron
 - D. None of the above
59. Identify the disease that is liable to be transmitted to people by the environment is called.....
- A. Contagious
 - B. Fatal
 - C. Infectious
 - D. Incurable
60. What should be the main worry of a company's founder who asks for capital in exchange for equity shares in their venture?
- A. Valuation
 - B. Control
 - C. Capitalisation
 - D. Legal formalities