

DAILY EXAM MATHS - 2 KEY 29-04-2020

1. $\frac{1}{2}$ 2. 36 3. $\frac{1}{3}$ 4. 1 5. 0.7
6. 0, 1 7. Pierre Simon Laplace 8. $\frac{1}{3}$ 9. $\frac{3}{13}$
10. 1 11. 46 12. 29 13. 17.5 14. 35
15. $\left(\frac{n+1}{2}\right)^{th}$ 16. 20.5 17. median 18. ogee
19. median 20. median
21. The probability of an event is defined as number of outcomes favourable to an event by number of all possible outcomes of the experiment.
22. Two or more events of an experiments where occurrence of an event prevents occurrence of all other events, are called mutually exclusive events.
23. $\frac{364}{365}$ 24. (i) 0 (ii) 1 25. $\frac{11}{84}$ 26. (i) $\frac{25}{36}$ (ii) $\frac{11}{36}$
27. When an unbiased die is rolled once, an event of getting an odd number and an event of getting an even number.
28. An observation of a data with the highest frequency is called the mode.
29. 34.8
30. $\bar{x} = a + \frac{\sum f_i d_i}{\sum f_i}$ when a is assumed mean f_i is frequency of the i^{th} observation and $d_i = x_i - a$
31. 28.5
32. The curve joining the points corresponding to the ordered pairs given by upper boundaries and corresponding cumulative frequencies.
33. When the observations of a data are arranged in an order, then the middle most observation is called median of the data.
34. 4.48 35. 28

GENERAL SCIENCE - 2 KEY

1. Mid brain
2. Islets of langerhans
3. Gibberellin/ethylene/abscisic acid/cytokinin
4. Parasympathetic nervous system
5. Auxins/ gibberellin promote plant growth and brings about cell elongation.
Or
Abscisic acid inhibits plant growth and brings about leaf senescence.
6. 1. light falling in eyes, touching the leaves
7. 2,4 - dichlorophenoxyacetic acid
8. Glial cells
9. Foetus
10. Testosterone
11. Sporangia
12. Grafting
13. Jasmine, Strawberry
14. Amniotic fluid
15. Metaphase
16. Shele
17. Rain water harvesting, percolation pits
18. 7 cells
19. Small portion of vasdeferens (sperm ducts) is removed.
20. Dr.Potu Narasimha Rao
21. Galen concluded that nerves are of two types - those of sensation and those of action.
22. Receptor, sensory nerve, spinal cord, motor nerve, effector muscle.
23. Tropic, Nastic
24. The external grey matter of brain is due to the presence of cytons of neurons while the inner white matter is due to the presence of myelin sheath of axon made of lipids.
25. Synapse
26. Adrenaline hormone will be secreted in both. This hormone is secreted by adrenal gland.
27. Cerebrum and diencephalon
28. The process of development of young ones from unfertilized ovum is called parthenogenesis. Eg: bees, wasp, ants.
29. Algae, fungi and many land plants
(Or)
Flat worms, moulds, lichens Spirogyra etc.
30. Pair of Ovaries, Fallopian tubes, Uterus.
31. Embryo gets nourishment through a disc shaped structure called placenta that is embedded in uterine wall which is connected to embryo by umbilical cord.
32. The prevention of pregnancy in women by preventing fertilization is called contraception.
33. Accredited Social Health Activist
34. In Plants the fusion of one of the male nucleus with egg and the second male nucleus with the fusion nucleus is called double fertilization.
35. G₁ phase, S phase and G₂ phase.