

DEECET – 2018

BIOLOGY

Teaching Aptitude

1. 'The best textbook' should have the following characteristics
 - a) Multi coloured and scope for self learning
 - b) Inculcate multiple thinking skills
 - c) More informative
 - d) To achieve desired academic standards
 1. a and b
 2. a and d
 3. a, b and d
 4. a and c

2. The following are the responsible for preparation and implementation of school development plan
 1. Village Development Committee
 2. School Management Committee
 3. Teachers and Students
 4. Village Surpanch

3. The project that meant for providing infrastructure facilities to primary schools is
 1. SSA
 2. RMSA
 3. MGNREGP
 4. PMGSY

4. 'Teacher readiness' means
- a) Having specific lesson plan and teaching material
 - b) Mastery over the content
 - c) Having question bank with teacher as well as students
 - d) Having commitment towards his profession
- 1. a and c
 - 2. a, b and c
 - 3. a, b and d
 - 4. b and d
5. Existing activities in primary schools are
- a) Mid Day Meal
 - b) Uniforms
 - c) Ammaku Vandanam
 - d) Vindam – Nerchukondam
- 1. a and b
 - 2. a and c
 - 3. a, b and c
 - 4. a, b c and d

G. K.

6. The rocket PSLV-C41 that launches the satellite by ISRO on April 12, 2018 is
 1. IRNSS - IH
 2. GSAT – 6A
 3. GSLV – F08
 4. IRNSS – II Navigation Satellite

7. The gold medal winner in Boxing – 85 Kgs division in 2018 Commonwealth games is
 1. Ambati Rayudu
 2. Kidambi Srikanth
 3. Ragala Venkata Rahul
 4. Rankreddy Sathwik

8. Author of ‘A brief history of time’
 1. Racher Carson
 2. Vikram Seth
 3. Samuel Johnson
 4. Stephen Hawking

9. Metha Patker – Romella Thoper
 1. Social activist - Historian
 2. Historian - Film actress
 3. Industrialist - Historian
 4. Mathematician - Musician

10. Prof. Yash Pal Committee report is related to
 1. Elections
 2. School bag weight
 3. Teachers recruitment
 4. Examination reforms

English – SET - 4

11. Read the following passage and choose the correct answer to the questions (11-12)

Once upon a time, in a very thick forest there lived many animals, birds, snakes and insects. They all lived together happily. They roamed about the jungle, and played together in the open fields without any fear. There was no fear of foe.

This passage says that:

1. there is harmony among the creatures in the forest.
 2. snakes are very fearful.
 3. the animals are not fearful because there was no lion in the forest.
 4. the forest was very thick because there were only animals, birds, snakes and insects.
12. Choose the correct synonym and the antonym of the word, “foe”.
1. enemy (synonym); rival (antonym)
 2. enemy (synonym); friend (antonym)
 3. opponent(synonym); rival (antonym)
 4. friend (synonym); companion (antonym)
13. It is high time the cricket board of different alternatives.
Choose the correct form of the verb to fill in the blank.
1. think
 2. thought
 3. thinks
 4. thinking

14. In a personal letter, the main point is written in:
1. the post script
 2. the opening
 3. the closing
 4. the body
15. Choose the sentence that expresses 'possibility'.
1. Could you lend me your book?
 2. Would you like to have some tea?
 3. He cannot move the big stone.
 4. It might be an idea to postpone the release of the film.

Telugu – SET - 4

16. మహాభారతాన్ని రచించిన కవిత్రయంలో ఒకరు
1. శ్రీనాథుడు
 2. మంచన
 3. తిక్కన
 4. కేతన
17. ఆ యవన కాంతా రత్నము. ఈ వాక్యంలో “రత్నము” అను పదానికి వికృతి
1. రతనము
 2. రథము
 3. అరదము
 4. రస్తము
18. ధర పై ఎన్నో నదులున్నాయి. “ధర” అనే పదానికి పర్యాయపదాలు గుర్తించండి.
1. సుమం, కుసుమం
 2. సుమం, పుష్పం
 3. భూమి, ధరణి
 4. పుష్పం, విరి

19. వేదాలు మన దేశం _____ వెలిశాయి. (ఖాళీలో సరిపడు విభక్తి ప్రత్యయాన్ని గుర్తించండి)

1. యొక్క
2. పట్టి
3. కంటే
4. లో

20. ప్రకృతిసౌందర్యం బాగుంది. ఈ వాక్యంలో “ప్రకృతిసౌందర్యం” అనే పదానికి విగ్రహవాక్యం

1. ప్రకృతి యొక్క సౌందర్యం
2. ప్రకృతియునూ, సౌందర్యమునూ
3. ప్రకృతి చేత సౌందర్యం
4. ఓహో! ప్రకృతి సౌందర్యం

1st Language English – SET - 4

21. Read the following passage and choose correct answer.

When India's first Prime Minister, Jawaharlal Nehru, was watching a performance at Delhi's Ramlila Grounds, at the Red Fort, a fire broke out in a cloth tent due to a short-circuit. Then Harish Chandra, a 14 year old scout, promptly took out his knife, and ripped open the burning cloth tent, saving the lives of hundreds of trapped people. This incident inspired Pandit Nehru to initiate the Bravery Awards to children.

Pandit Nehru went to the Ramlila Grounds:

1. to initiate the Bravery Awards to children.
2. to see a show
3. to receive the Bravery Award at the Red Fort
4. to distribute the Bravery Award to Harish Chandra.

22. Read the following passage and choose correct answer.

When India's first Prime Minister, Jawaharlal Nehru, was watching a performance at Delhi's Ramlila Grounds, at the Red Fort, a fire broke out in a cloth tent due to a short-circuit. Then Harish Chandra, a 14 year old scout, promptly took out his knife, and ripped open the burning cloth tent, saving the lives of hundreds of trapped people. This incident inspired Pandit Nehru to initiate the Bravery Awards to children.

This passage says that:

1. Harish Chandra was a brave child.
2. Harish Chandra came to Ramlila Grounds to save the trapped people.
3. Pandit Nehru presented the Bravery Award to Harish Chandra.
4. Harish Chandra initiated the Bravery Awards to children.

23. Anand is unaccustomed the heat.

Choose the correct preposition that fits the blank.

1. on
2. to
3. with
4. at

24. The film industry is expanding in leaps and bounds.

In the above sentence, the expression 'in leaps and bounds' means:

1. very, very slowly
2. in long duration
3. swiftly
4. gradually

25. The potter's brown horse reached the deserted camp.

In the above sentence, the word 'deserted' is:

1. a noun
2. an adverb
3. a verb
4. an adjective

26. Choose the word with correct spelling.

1. tomfolery
2. consternasion
3. thumpping
4. poke

27. Choose the word that means ‘tending to believe that the worst will happen’.
1. optimistic
 2. quarrelsome
 3. pessimistic
 4. pompous
28. It is time she her project work.
1. finish
 2. has finished
 3. finished
 4. finishes
29. Choose the singular noun among the following.
1. fungi
 2. syllabi
 3. errata
 4. fungus
30. We use informal language in letters writing to:
1. a police officer
 2. a close friend
 3. a collector
 4. a business firm

Mathematics – SET - 4

31. The perfect number in the following number is
1. 6
 2. 28
 3. 6 & 28
 4. 34
32. The correct order of the following numbers is
1. $0.3 < 0.33 < 3.3 < 3.33$
 2. $3.33 < 3.3 < 0.33 < 0.3$
 3. $3.33 < 0.33 < 3.3 < 0.3$
 4. $3.33 < 3.3 < 0.3 < 0.33$
33. The angle which is complement to itself is
1. 0°
 2. 45°
 3. 90°
 4. 180°
34. If $2A = 3B = 4C$, then the value of $A : B : C$ is
1. $2 : 3 : 4$
 2. $4 : 3 : 2$
 3. $3 : 4 : 6$
 4. $6 : 4 : 3$

35. Number of square centimeters equal to one square meter

1. 100
2. 10000
3. 1000
4. 100000

36. The value of $\sqrt[3]{0.000064}$ is

1. 0.2
2. 0.02
3. 0.4
4. 0.04

37. The factors of $6mn - 4n + 6 - 9m$ are

1. $(2m - 1), (2n - 4)$
2. $(4m - 1), (n - 3)$
3. $(3m - 2), (2n - 3)$
4. $(4m - 4), (n - 1)$

38. The pair of linear equations $2x - 3y = 8$ and $4x - 6y = 9$ belongs to
1. Consistent system
 2. Inconsistent system
 3. Dependent system
 4. None
39. The median of the first 100 natural number is
1. 50.5
 2. 50
 3. 52
 4. 51
40. The father of Geometry "Euclid" belongs to this country.
1. Babylonia
 2. Egypt
 3. Greece
 4. India

General Science – SET – 4

Biology

41. Polyester is made from
1. Esters
 2. Bamboo
 3. Petroleum
 4. Petrol
42. After fertilization ovary develops into
1. Seed
 2. Plant
 3. Fruit
 4. Style
43. Bee venom is used for the preparation of
1. Honey
 2. Chemicals
 3. Nail Polish
 4. Apis tincture
44. The organism belongs to Echinodermata
1. Snail
 2. Starfish
 3. Leech
 4. Whale

45. The alkaloid used as a medicine for snake bite is

1. Morphine
2. Nimbin
3. Scopolamine
4. Reserpine

General Science – SET – 4

Physical Science

46. The suitable method to separate salt from sea water is
1. Distillation
 2. Filtration
 3. Evaporation
 4. Sublimation
47. Which of the following is used to measure the body temperature of infants and children
1. Clinical Thermometer
 2. Digital Thermometer
 3. Thermister Thermometer
 4. Both (1) and (2)
48. Which of the following is synthetic fibre obtained from plants cellulose
1. Nylon
 2. Polyester
 3. Wool
 4. Rayon

49. The number of neutrons present in the nucleus of sodium (${}_{11}^{23}\text{Na}$)

1. 11
2. 23
3. 34
4. 12

50. In esterification reaction the products are

1. Ester and water
2. Ester and alcohol
3. Alcohol and ethanoic acid
4. Ethanoic acid and ester

Social Studies – SET - 4

51. Most of the rain fall in India occurs due to
1. South – West monsoon
 2. North – East monsoon
 3. Jet streams
 4. Western disturbances
52. Number of member countries in U.N.O at present is
1. 192
 2. 193
 3. 194
 4. 195

53. The number of latitudes with the value greater than 90°s is
1. 0
 2. 90
 3. 180
 4. 360
54. The help line number for fire accidents is
1. 100
 2. 101
 3. 103
 4. 104
55. The permanent settlement was introduced in India by
1. Cornwallis
 2. Thomas Munro
 3. Dalhousie
 4. Wellesley
56. The country that has the largest number of medical colleges in the world is
1. China
 2. India
 3. U.S.A
 4. Russia

57. The court language of Kakatiyas was
1. Sanskrit
 2. Telugu
 3. Kannada
 4. Tamil
58. In 1840s the method of laying road using broken stones was invented by
1. James Watt
 2. George Stephenson
 3. John Louden McAdam
 4. Wright Brothers
59. The 'warrior God' mentioned in Vedas was
1. Agni
 2. Varuna
 3. Indra
 4. Sun
60. Self – Ploughing occurs in
1. Red soils
 2. Black soils
 3. Hilly soils
 4. Sandy soils

Inter Botany – SET - 1

61. The cell wall material of Phaeophyceae plants
1. Cellulose and Polyesters
 2. Cellulose and Chitin
 3. Cellulose and Pectin
 4. Cellulose and Algin
62. The edible part of Jack fruit is
1. Succulent placental hairs
 2. Succulent perianth
 3. Succulent bracts
 4. Succulent peduncle
63. The modified roots present in mangroves are
1. Pneumatophores
 2. Velamen roots
 3. Prop roots
 4. Nodular roots
64. Sporopollenin material is present in
1. Tapetum
 2. Endothecium
 3. Intine
 4. Exine

65. The number of microsporangia in a dithecous anther is
- 1.
 - 2.
 - 4.
 - Many
66. Bi-collateral vascular bundles are common in
- Fabaceae
 - Solanaceae
 - Liliaceae
 - Malvaceae
67. Fluid mosaic model of cell membrane is proposed by
- Watson and Crick
 - Sutton and Boveri
 - Hatch and Slack
 - Singer and Nicolson
68. In meiosis, pairing of chromosomes (synapsis) is done in this stage
- Leptotene
 - Zygotene
 - Pachytene
 - Diplotene

69. In older stems, the inner most layers of Secondary xylem which do not conduct water
1. Heartwood
 2. Sapwood
 3. Springwood
 4. Autumnwood
70. Identify the character of xerophyte
1. Poorly developed root system
 2. Reduced mechanical tissue
 3. Reduced conducting tissue
 4. Reduce leaves
71. The instrument invented by Sir J.C. Bose to measure plant growth upto a millionth part of millimeter.
1. Bar graph
 2. Sismo graph
 3. Cresco graph
 4. Geo graph
72. Increase in volume of dry seeds and wood due to absorption of water
1. Guttation
 2. Plasmolysis
 3. Diffusion
 4. Imbibition

73. Example of free living Nitrogen fixing anaerobic microbes

1. Azotobacter
2. Beijernickia
3. Bacillus
4. Rhodospirillum

74. Example for Chemoautotrophic bacteria

1. Nitrosomonas
2. Chromatium
3. Rhodospirillum
4. Salmonella

75. First step in Lytic cycle is

1. Penetration
2. Biosynthesis
3. Maturation
4. Attachment

76. Author of the book “Experiments on plant Hybrids” is

1. Warren Weaver
2. James Watson
3. Gregor Mendal
4. Charles Darwin

77. Genes which code for a pair of contrasting traits are
1. Derivatives
 2. Factors
 3. Phenotype
 4. Alleles
78. Which of the following nitrogenous base is not related to pyrimidine group
1. Cytosine
 2. Uracil
 3. Thymine
 4. Guanine
79. Hind –II is a
1. Restriction endonuclease
 2. ELISA
 3. Chromosome
 4. Anticodon
80. “Pusa sadabahar” is the variety of this crop
1. Wheat
 2. Chilli
 3. Brassica
 4. Cauliflower

Inter Zoology – SET - 1

81. The study of different body functions and processes is

1. Anatomy
2. Histology
3. Physiology
4. Embryology

82. Choanocytes are present in the Phylum

1. Cnidaria
2. Ctenophora
3. Porifera
4. Echinodermata

83. Body Setae are present in

1. Earthworm
2. Hydra
3. Sponge
4. Jellyfish

84. The respiratory organs in Scorpion are

1. Tegument
2. Book lungs
3. Book gills
4. Trachea

85. During embryonic development the visceral mass undergoes Torsion in
1. Cephalopoda
 2. Pelecypoda
 3. Gastropoda
 4. Scaphopoda
86. Mesozoic Era is the golden age of
1. Aves
 2. Reptiles
 3. Amphibians
 4. Pisces
87. The gland present in the skin of birds is
1. Mammary gland
 2. Preen gland
 3. Sweat gland
 4. Scent gland
88. Identify the incorrect statement from the following
1. In female birds only left ovary is present
 2. Skull is mono condylic in Reptiles
 3. All mammals are Viviparous
 4. Amphibians are Ureotelic

89. Identify the Histozoic parasite from the following

1. Ascaris
2. Plasmodium
3. Culex
4. Entamoeba

90. The detritus food chain begins with

1. Grass
2. Aphids
3. Zooplankton
4. Dead organic matter

91. Human adult dental formula is

1. $i \frac{2}{2}$ $c \frac{1}{1}$ $PM \frac{2}{2}$ $M \frac{3}{3}$
2. $i \frac{2}{2}$ $c \frac{2}{2}$ $PM \frac{0}{0}$ $M \frac{2}{2}$
3. $i \frac{2}{2}$ $c \frac{2}{2}$ $PM \frac{2}{2}$ $M \frac{3}{3}$
4. $i \frac{1}{1}$ $c \frac{2}{2}$ $PM \frac{2}{2}$ $M \frac{3}{3}$

92. The enzymes present in the bile juice are

1. Carbohydases
2. Proteases
3. Lipases
4. No enzymes

93. The ions that are necessary for coagulation of blood are
1. Ca^{++}
 2. Cl^{-}
 3. Na^{+}
 4. K^{+}
94. The blood in pulmonary artery is
1. Oxygenated and flows into lungs
 2. Oxygenated and flows into heart
 3. De-oxygenated and flows into lungs
 4. De-oxygenated and flows into heart
95. The number of Cervical Vertebrae in human is
1. 12
 2. 08
 3. 05
 4. 07
96. The disease due to inflammation of protective membranes of brain is
1. Parkinson's Disease
 2. Cerebro Vascular Accident (CVA)
 3. Meningitis
 4. Alzheimer's disease

97. Bartholin glands are associated with
1. Female Reproductive System
 2. Male Reproductive System
 3. Nervous System
 4. Excretory System
98. The method of Sex determination in Honey bees is
1. xx - xy
 2. zz - zw
 3. Haplo - diploidy
 4. Genic balance
99. Serological tests were first conducted by
1. H. F. Nuttal
 2. Charles Darwin
 3. Spencer
 4. Lamarck
100. Fish guano is
1. Oil extract from fishes
 2. Dried skin of sharks
 3. Dried swim bladder of fishes
 4. Fertilizer prepared from scrap of fish