

PART - I

Four options are given against each of the following questions. Select the best / correct option from among the four options and put a Tick mark (✓) on the right side of that option by **Ball Point Pen** only as per example given below :

Example : The capital of India is

- | | |
|------------------|---------------------|
| (a) Delhi | (b) New Delhi (✓) |
| (c) Indraprastha | (d) None of these |

1. Trial run of the first train to Agartala took place on

(a) 26th January, 2008	(b) 29th March, 2008
(c) 29th June, 2008 (✓)	(d) None of these

2. Which of the following pairs is correctly matched ?

(a) Tripureswari Temple — Birchandra
(b) Nirmahal — Radhakishore
(c) Bhubaneswari Temple — Gobinda Manikya (✓)
(d) None of these

3. Garia Puja is performed in the month of

(a) Pous	(b) Chaitra
(c) Baisakh (✓)	(d) None of these

4. The largest river in Tripura is
- (a) Juri (b) Manu
(c) Dhalai (d) None of these (✓)
5. ONGC started drilling in Tripura from the year
- (a) 1962 (b) 1972 (✓)
(c) 1982 (d) None of these
6. Number of elected members of TTAADC is
- (a) 28 (✓) (b) 30
(c) 32 (d) None of these
7. When was Tripura merged with Indian Union ?
- (a) 15th August, 1947 (b) 26th January, 1950
(c) 15th October, 1949 (✓) (d) None of these
8. Name the girl from Tripura who defeated sprint queen P. T. Usha in a competition and was the first Olympian from Tripura
- (a) Deb Bhakti Jamatia (b) Saraswati Ghosh
(c) Lopamudra Ghosh (d) None of them (✓)

9. Nirmahal was built by

- (a) Birchandra Manikya (b) Birbikram Manikya
(c) Radhakishore Manikya (d) None of them

N.B. Marks will be awarded to the candidates who have selected either option (b) or option (d).

10. Tripura University became a Central University from

- (a) 2nd June, 2007 (b) 2nd July, 2007 (✓)
(c) 2nd August, 2007 (d) None of these

11. 'Dada Saheb Phalke' award for the year 2009 was conferred upon

- (a) Shyam Benegal (b) Tapan Sinha
(c) Manna De (✓) (d) None of them

12. Which is the largest delta in India?

- (a) Sunderban (✓) (b) Bitarkanika
(c) Kaveri delta (d) None of these

13. Where is the headquarter of FAO located?

- (a) New York (b) Rome (✓)
(c) The Hague (d) None of these

14. Jim Corbett National Park is famous for

- (a) Bird sanctuary (b) Tiger sanctuary (✓)
(c) Deer sanctuary (d) None of these

15. Bhakra dam is built on the river
- (a) Ganga (b) Yamuna
(c) Sutlej (✓) (d) None of these
16. Which of the following states is known as land of spices ?
- (a) Kerala (✓) (b) Andhra Pradesh
(c) Karnataka (d) None of these
17. Central Agricultural Research Institute is situated in,
- (a) Tamilnadu (b) Jammu and Kashmir
(c) Andaman and Nicobar Islands (✓) (d) None of these
18. Who was the first Indian astronaut to go to space ?
- (a) Rakesh Sharma (✓) (b) Kalpana Chawla
(c) Ravish Malhotra (d) None of them
19. Number of countries sharing common boundary with India is
- (a) 5 (b) 6
(c) 7 (✓) (d) None of these
20. Where is the headquarter of IAEA ?
- (a) Geneva (b) Vienna (✓)
(c) Paris (d) None of these

21. 'Lal Masjid' is situated in

- (a) Bagdad
- (b) Mecca
- (c) Islamabad (✓)
- (d) None of these

22. An immemorable work of Victor Hugo is

- (a) Quiet Flows the Don
- (b) Le Miserables (✓)
- (c) Islamic bomb
- (d) None of these

23. Volcano whose eruptions disrupted aviation services throughout Europe in 2010 is

- (a) Vesuvius
- (b) Kilimanjaro
- (c) Eyjafiallajokull (✓)
- (d) None of these

24. The name of Japanese parliament is

- (a) Knesset
- (b) Diet (✓)
- (c) Yuan
- (d) None of these

25. Who invented insulin ?

- (a) Jonas E. Salk
- (b) Alexander Fleming
- (c) F. Banting (✓)
- (d) None of them

26. Anaemia is caused due to deficiency of

- (a) Iodine
- (b) Iron (✓)
- (c) Vitamin
- (d) None of these

27. Acid rain is primarily due to

- (a) CO_2
- (b) NO_2
- (c) SO_2 (✓)
- (d) None of these

28. World Environmental Day is observed on

- (a) 10th December
- (b) 5th June (✓)
- (c) 5th September
- (d) None of these

29. Where is the Nathu La Pass situated ?

- (a) Arunachal Pradesh
- (b) Bhutan
- (c) Sikkim (✓)
- (d) None of these

30. Which state of N.E. Region has been declared as 'green state' in 2008

- (a) Meghalaya
- (b) Arunachal Pradesh
- (c) Mizoram (✓)
- (d) None of these

31. Ministry of Development of N. E. Region is headed by
- (a) Agatha Sangma (b) B. K. Handique (✓)
(c) Prithiraj Chavan (d) None of them
32. The headquarter of North East Council (NEC) is located at
- (a) New Delhi (b) Shillong (✓)
(c) Guwahati (d) None of these
33. In which of the following states was Rajib Gandhi Indian Institute of Management set up?
- (a) Nagaland (b) Manipur
(c) Tripura (d) None of these (✓)
34. Who wrote 'A Brief History of Time'?
- (a) H. G. Wells (b) Arthur C. Clarke
(c) Stephen Hawking (✓) (d) None of them
35. "India wins freedom" was written by
- (a) Jawharlal Nehru (b) Rajendra Prasad
(c) Maulana Abul Kalam Azad (✓) (d) None of them

36. Which country won World Cup in football in 2010 ?
- (a) France (b) Holland
(c) Spain (✓) (d) None of these
37. The least number divisible by 7, 11 and 13 is
- (a) 1015 (b) 1009
(c) 1001 (✓) (d) None of these
38. If 40 persons consume 60 kg of rice in 15 days, in how many days will 30 persons consume 12 kg of rice ?
- (a) 8 days (b) 4 days (✓)
(c) 6 days (d) None of these
39. The cost of paving a rectangular courtyard of 30 metres long and 20 metres wide with rectangular tiles 12 cm long and 10 cm wide at Rs. 40 per thousand tiles is
- (a) Rs. 2000 (✓) (b) Rs. 3000
(c) Rs. 5000 (d) None of these
40. At what rate percent per year simple interest will a sum be doubled in 8 years ?
- (a) $12\frac{1}{2}$ (✓) (b) 15
(c) 25 (d) None of these

PART - II

41. Yellow revolution is related to
- (a) cereals (b) oilseeds (✓)
(c) milk (d) None of these
42. Paddy straw mushroom is cultivated during
- (a) winter season (b) spring season
(c) rainy season (✓) (d) None of these
43. The total land area covered with forest in Tripura is
- (a) 20% (b) 30%
(c) 40% (d) None of these (✓)
44. How many molecules of ATP are formed during complete oxidation of a glucose molecule ?
- (a) 24 (b) 30
(c) 36 (d) None of these (✓)
45. Which of the following is a scented rice variety in Tripura ?
- (a) Swarna (b) IR 64
(c) Harinarayana (✓) (d) None of these

46. Rock phosphate is used in

- (a) Neutral soil
- (b) Acid soil (✓)
- (c) Alkaline soil
- (d) None of these

47. Which of the following is a non-symbiotic N fixing bacteria ?

- (a) Rhizobium
- (b) Azotobactor (✓)
- (c) Nostoc
- (d) None of these

48. Diameter of clay particle is

- (a) 0.6 mm
- (b) 0.2 mm
- (c) 0.002 mm (✓)
- (d) None of these

49. Green revolution occurred during

- (a) 1945-1955
- (b) 1965-1975 (✓)
- (c) 1985-1995
- (d) None of these

50. 100 kg Ammonium sulphate supplies

- (a) 46 kg N
- (b) 40 kg N
- (c) 20 kg N (✓)
- (d) None of these

51. The proper age of turning under *dhaincha* for green manuring is

- (a) 60-70 days
- (b) 10-20 days
- (c) 30-40 days (✓)
- (d) None of these

52. Leading country in coffee production is

- (a) Brazil (✓)
- (b) China
- (c) South Africa
- (d) None of these

53. Highest tea producing state in India is

- (a) Kerala
- (b) Tripura
- (c) Assam (✓)
- (d) None of these

54. Genetic male sterility is common in

- (a) China Astair
- (b) Marigold (✓)
- (c) Dahlia
- (d) None of these

55. Green leafy vegetables are rich source of

- (a) Citric acid
- (b) Malic acid
- (c) Folic acid (✓)
- (d) None of these (✓)

56. Autotetraploid is a plant which has identical set of chromosomes of

- (a) 4 (✓) (b) 6
(c) 12 (d) None of these

57. Potato seed rate (TPS) is

- (a) 1 g (b) 5 g
(c) 15 g/ha (d) None of these (✓)

58. Medicine to check high blood pressure is obtained from

- (a) *Digitalis purpurea* (b) *Cinchona spp*
(c) *Rawalfia serpentina* (✓) (d) None of these (✓)

59. Skin tonic is prepared from which medicinal plant ?

- (a) Aloe (✓) (b) Yams
(c) Medicinal solanum (d) None of these

60. Which are immobile elements in plants ?

- (a) NP (b) KS
(c) Ca B (✓) (d) None of these

61. Iron deficient plants show chlorosis first in

- (a) Young leaves (✓)
- (b) Old leaves
- (c) Shoot tips
- (d) None of these

62. Red rot disease in sugarcane is caused by

- (a) Algae
- (b) Fungi (✓)
- (c) Bacteria
- (d) None of these

63. Cono weeder is used for intercultural operation in

- (a) Maize
- (b) Rice (✓)
- (c) Potato
- (d) None of these

64. Anola is the richest source of

- (a) Vitamin (✓)
- (b) Iron
- (c) Fat
- (d) None of these

65. Furrow method of irrigation is practised in

- (a) Rice
- (b) , Wheat
- (c) Potato (✓)
- (d) None of these

66. A synthetic variety is a variety obtained by combining selected

- (a) Cross pollinated lines. (✓)
- (b) Self pollinated lines
- (c) Both self and cross pollinated lines
- (d) None of these

67. Pratik is a variety of

- (a) Wheat
- (b) Arhar (✓)
- (c) Sunflower
- (d) None of these

68. *Chenopodium album* (Bathua) is commonly associated with

- (a) Rice
- (b) Wheat (✓)
- (c) Maize
- (d) None of these

69. PBW 343 is a variety of

- (a) Rice
- (b) Maize
- (c) Wheat (✓)
- (d) None of these

70. Seed rate of rapeseed-mustard is

- (a) 8-10 kg
- (b) 12-15 kg
- (c) 18-20 kg/ha
- (d) None of these (✓)

71. In SRI method of paddy cultivation, the age of seedling should be

- (a) 10-12 days (✓)
- (b) 15-20 days
- (c) 20-25 days
- (d) None of these

72. Local control is not adopted in

- (a) RBD
- (b) LSD
- (c) CRD (✓)
- (d) None of these

73. Seeds should be stored in warehouses at a moisture content

- (a) 9 percent (✓)
- (b) 13 percent
- (c) 15 percent
- (d) None of these

74. IRRI is located at

- (a) Sydney
- (b) Maxico
- (c) Manila (✓)
- (d) None of these

75. *Rhizobium* fixes atmospheric N in association with

- (a) Brinjal
- (b) Cowpea (✓)
- (c) Wheat
- (d) None of these

76. Rubber Research Institute is situated at

- (a) Kottayam (✓)
- (b) Calicut
- (c) Kessargod
- (d) None of these

77. Chemical present in turmeric is

- (a) Cincol
- (b) Zingiberene
- (c) Curcumine (✓)
- (d) None of these

78. Sheath blight disease of rice is commonly found in rice variety

- (a) Pankaj
- (b) Swarna (✓)
- (c) Saket 1
- (d) None of these

79. Aphid is a serious pest of

- (a) Rice
- (b) Wheat
- (c) Mustard (✓)
- (d) None of these

80. Individual plant propagated vegetatively by rooting portions from a single original plant is called

- (a) Clone (✓)
- (b) Allele
- (c) Mutant
- (d) None of these

81. Major constituent of cotton fiber is

- (a) Lignin
- (b) Cellulose (✓)
- (c) Protein
- (d) None of these

82. Bordeaux mixture consists of

- (a) Lime and potassium permanganate
- (b) Lime and copper sulphate (✓)
- (c) Lime and potassium metabisulphite
- (d) None of these

83. Optimum time of sowing of green gram is



- (a) June-July
- (b) November-December
- (c) March-April
- (d) None of these

84. The sweet taste of freshly picked maize grain is due to presence of

- (a) Sugar (✓)
- (b) Sucrose
- (c) Amino acid
- (d) None of these

85. Plants give CO_2 during

- (a) Day
- (b) Morning
- (c) Night
- (d) None of these (✓)

86. Which is known as 9 O'clock plant ?
(a) Balsam (b) Portulaca (✓)
(c) Nastursium (d) None of these
87. Which one of the following is a hybrid variety of rice ?
(a) Kalikhasa (b) KRH-1 (✓)
(c) Chandan (d) None of these
88. Bread wheat has chromosome number
(a) 40 (b) 42 (✓)
(c) 44 (d) None of these
89. Which of the following is a composite variety of maize ?
(a) Ranjit (b) Ganga 5
(c) Kissan (✓) (d) None of these
90. Optimum seed rate for cotton is (✱)
(a) 10-20 kg (b) 15-20 kg
(c) 25-30 kg/ha (d) None of these
91. Jute fiber is a
(a) Seed fiber (b) Bast fiber (✓)
(c) Leaf fiber (d) None of these

92. The most critical stage for irrigation in wheat is

- (a) Seedling stage
- (b) Booting stage
- (c) CRI stage (✓)
- (d) None of these

93. *Khaira* disease of rice is due to deficiency of

- (a) Zinc (✓)
- (b) Iron
- (c) Magnesium
- (d) None of these

94. T-Z salt is used for measuring which test?

- (a) Germination test
- (b) Viability test (✓)
- (c) Vigour test
- (d) None of these

95. 'Dead heart' is produced due to attack of which insect?

- (a) Semi looper
- (b) Thrips
- (c) Stem borer (✓)
- (d) None of these

96. *Trichogramma* spp is a

- (a) Nitrogen fixer
- (b) Biocontrol agent (✓)
- (c) Protozoa
- (d) None of these

97. Propanil is used to control which weed ?

- (a) Bathua
- (b) Motha
- (c) Shyama grass (✓)
- (d) None of these

98. Carbofuran is a

- (a) Nematicide
- (b) Fungicide
- (c) Insecticide (✓)
- (d) None of these

99. The movement of water along with salt is known as

- (a) Leaching (✓)
- (b) Run off
- (c) Percolation
- (d) None of these

100. Potato is a

- (a) Short day plant (✓)
- (b) Long day plant
- (c) Day neutral plant
- (d) None of these

(*) 1(One) marks each in respect of Q. No. 83 & Q. No. 90 will be awarded to all the candidates irrespective of whether one has attempted these two questions or not.