

QUESTION BOOKLET AND ANSWER KEY FOR RECRUITMENT TEST OF

Technical Officer	Code-C-5
Sr. Branch Officer	Code-C-6
Field Officer (Preservation)	Code-C-7
Field Officer(General)	Code-C-8
Asstt. Field Officer	Code-C-10

HELD ON 18 & 19 Feb. 2012

English Version

1. ਮਲਵਈ ਕੀ ਹੈ ?
(A) ਭਾਸ਼ਾ (B) ਇਲਾਕਾ (C) ਉਪ-ਭਾਸ਼ਾ (D) ਵਿਆਕਰਣ
2. ਉਹ ਸ਼ਬਦ ਜੋ ਵਾਕ ਦੇ ਨਾਵਾਂ ਤੇ ਪੜਨਾਵਾਂ ਦਾ ਇੱਕ ਦੂਜੇ ਨਾਲ ਤੇ ਹੋਰਨਾਂ ਸ਼ਬਦਾਂ ਨਾਲ ਸੰਬੰਧ ਜੋੜਨ, ਨੂੰ ਕਿਹਾ ਜਾਂਦਾ ਹੈ:
(A) ਸੰਬੰਧਕ (B) ਯੋਜਕ (C) ਕਿਰਿਆ (D) ਵਿਸ਼ੇਸ਼ਣ
3. ਯੋਜਕ ਦੇ ਮੁੱਖ ਭੇਦ ਕਿੰਨੇ ਹੁੰਦੇ ਹਨ ?
(A) ਦਸ (B) ਅੱਠ (C) ਛੇ (D) ਦੋ
4. ਹੇਠ ਲਿਖਿਆਂ ਵਿੱਚੋਂ ਸ਼ੁੱਧ ਸ਼ਬਦ ਚੁਣੋ :
(A) ਕਹਿੜਾ (B) ਕਿਹੜਾ (C) ਕੇਹੜਾ (D) ਕੇੜਾ
5. ਕਿਹੜਾ ਸ਼ਬਦ ਜੋੜ ਸ਼ੁੱਧ ਹੈ:
(A) ਸਸਤ੍ਰ (B) ਸਸਤਰ (C) ਫਸਤ੍ਰ (D) ਫਫਤਰ
6. 'ਇਹ ਸਭ ਮੰਨਦੇ ਹਨ ਕਿ ਪਰਮਾਤਮਾ ਸਰਬ ਵਿਆਪਕ ਹੈ' । ਕਿਹੜਾ ਵਾਕ ਹੈ
(A) ਸੰਯੁਕਤ (B) ਪ੍ਰਸ਼ਨ ਵਾਚਕ (C) ਮਿਸ਼ਰਤ (D) ਨਾਂਗਮੁਖੀ
7. ਵਿਸ਼ੇਸ਼ਣ ਕਿੰਨੀ ਪ੍ਰਕਾਰ ਦੇ ਹੁੰਦੇ ਹਨ :
(A) ਦੋ (B) ਚਾਰ (C) ਛੇ (D) ਪੰਜ
8. ਉਤਮ ਪੁਰਖ ਚੁਣੋ :
(A) ਮੈਂ/ ਅਸੀਂ (B) ਤੂੰ/ ਤੁਸੀਂ (C) ਉਹ (D) ਆਹ
9. ਅਨਿਸਚਿਤ ਪੜਨਾਵ ਚੁਣੋ :
(A) ਕਈ/ਕੁਝ (B) ਉਹ (C) ਮੈਂ (D) ਤੁਸੀਂ
10. 'ਝਾੜੂ ਫੇਰਨਾ' ਮੁਹਾਵਰੇ ਦਾ ਕੀ ਅਰਥ ਹੈ :
(A) ਸਵਾਈ ਕਰਨੀ (B) ਤਬਾਹ ਕਰਨਾ
(C) ਝਾੜੂ ਨਾਲ ਮਾਰਨਾ (D) ਬੁਹਾਰੀ ਦੇਣੀ

Directions (Q. 11- 14):- Choose the opposite of the given word:-

Q. 11. Deferential:-

- (A) gloomy (B) arrogant (C) respectful (D) different

Q.12. Corroborate :-

- (A) deteriorate (B) contradict (C) accuse (D) slander

Q.13. Burgeon:-

- (A) shrink (B) eclipse (C) explode (D) accelerate

Q.14. Arid:-

- (A) fertile (B) silly (C) equivocal (D) dry

Directions (Q.15-17) :- In these questions, sentences are given with blanks to be filled in with appropriate and suitable word(s). Four alternatives are given. Choose the correct alternative out of four and select your answer.

Q.15 Sachin is satisfied _____ his performance.
 (A) with (B) about (C) for (D) of

Q.16. Most of the deprived in India lead a miserable existence that has nothing to sing and dance _____.
 (A) upon (B) within (C) about (D) under.

Q.17. Shivanand accused him _____ murder.
 (A) with (B) about (C) of (D) for.

Directions (Q.18-20) :- In these questions, four alternatives are given for the underlined idiom/ phrase . Choose the alternative which best expresses the meaning of the underlined idiom/ phrase.

Q. 18. He stirred up a hornet's nest when he advocated the widow-remarriage.
 (A) thrilled the people (B) cautioned the people
 (C) frightened the people (D) excited the hostility of a large number of people

Q.19. She is working against time.
 (A) feeling dejected (B) protesting against the times
 (C) working haphazardly (D) working with utmost speed.

20. I threatened to show him up if he did not mend his ways.
 (A) to disclose his villainy (B) to get him punished
 (C) to slander him (D) to humiliate him.

21. On which date Delhi was declared capital of India?
 A) Dec. 10, 1911 B) Dec. 11, 1911 C) Dec. 12, 1911 D) Dec. 13, 1911

22. What is the normal playing time of full version of our National Anthem?
 A) 2 minutes B) 52 Seconds C) 58 Seconds D) 50 Seconds

23. The decimal currency system started in India from
 A) April 1957 B) April 1956 C) April 1958 D) April 1960

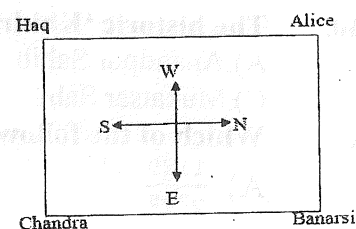
24. India's First atomic power station was set up at
 A) Surat (Gujarat) B) Trombay (Maharashtra)
 C) Sholapur (Maharashtra) D) Tarapur (Maharashtra)

25. As a non-member who can participate in the proceedings of either House of Parliament?
 A) Vice-President B) Chief Justice C) Attorney-General D) None of these

26. Partition of Bengal was undertaken with a view to
 A) Suppressing the revolt
 B) Satisfying the Hindus and Muslims
 C) meeting the demand of Muslims
 D) Dividing the Hindus of West and East Bengal and increasing Hindu-Muslim tension

27. **The Governor-General of India who initiated the introduction of English in India was**
 A) Lord Curzon B) Lord Macaulay C) Lord Bentinck D) Lord Dalhousie
28. **Which of the following glands secretes tears?**
 A) Lachrymal B) Pituitary C) Thyroid D) Pancreas
29. **Flower colours are due to**
 A) Chlorophyll B) anthocyanins C) phytochromes D) melanin
30. **Which gas leaked in Bhopal gas tragedy?**
 A) Carbon monoxide B) Methylene isocyanate
 C) Ethylene cyanide D) Phenyl isocyanate
31. **The sky is blue in colour due to**
 A) refraction B) reflection C) diffraction D) dispersion
32. **Who among the following is associated with the invention of computers?**
 A) Edison B) Babbage C) MacMillan D) Ranganbhashyam
33. **The ancient book that deals with paediatrics is**
 A) Kasyapa Samhita B) Atharveda
 C) Charaka Samhita D) Susruta Samhita
34. **Laser is an acronym for Light Amplification by**
 A) stimulated emission of Radio Waves B) stimulated emission of Radiation
 C) spontaneous emission of Radio Waves D) spontaneous emission of Radiation
35. **'A Half Nelson' is the term associated with which of the following sports?**
 A) Wrestling B) Bridge C) Golf D) Polo
36. **Who was the first Chairman of SAARC?**
 A) Mr. Ziaur Rehman B) Lt. Gen H.M. Ershad
 C) King Birendra D) Mrs. Indira Gandhi
37. **Why did Pakistan leave Common Wealth in 1971?**
 A) due to Russian interference in Afghanistan B) due to Indo-Pak war
 C) due to recognition of Bangladesh D) none of these
38. **The difference in the time per degree longitude between any two places on the globe is**
 A) 4 minutes B) 5 minutes C) 15 minutes D) 30 minutes
39. **What is the approximate length of border that India shares with Pakistan?**
 A) 2700 kms B) 3000 kms C) 3300 kms D) 3600 kms
40. **The historic 'Khidrane dee dhab' is now known as**
 A) Anandpur Sahib B) Fatehpur Sahib
 C) Mukatsar Sahib D) Taran Taran Sahib
41. **Which of the following rational numbers has a terminating decimal expansion?**
 A) $\frac{1129}{2^2 7^5}$ B) $\frac{606}{105}$ C) $\frac{71}{210}$ D) $\frac{5}{512}$

42. The symbol π , used to compute area of the circle, has value
 A) more than $22/7$ B) less than $22/7$ C) $22/7$ D) 3.14
43. If $\text{HCF}(306, 657) = 9$, then $\text{LCM}(306, 657)$ is equal to
 A) 59131 B) 22338 C) 27545 D) none of these
44. The zeros of the polynomial $p(x) = x^3 - 3x^2 + x + 1$ are
 A) $1 - \sqrt{2}, 2 + \sqrt{2}, 1$ B) $2 - \sqrt{2}, 2 + \sqrt{2}, 1$
 C) $1 - \sqrt{2}, 1 + \sqrt{2}, 1$ D) $-\sqrt{2}, \sqrt{2}, 1$
45. The lines $2x + 3y - 9 = 0$ and $4x + 6y - 18 = 0$ have
 A) Unique solution B) Finitely many solutions C) No solution D) Infinite solution
46. The values of p for which the equations $4x + py + 8 = 0$ and $2x + 2y + 2 = 0$ have unique solution are
 A) 4, 5, 6 B) 3, 4, 5 C) any value except 4 D) no such value exist
47. Altitude of a right triangle is 7 cm less than its base. If the hypotenuse is 13 cm then other two sides are
 A) 12, 5 B) -12, 5 C) 5, -12 D) none of these
48. Which of the following is an AP?
 A) -1, 3, -5, 7, ... B) $\sqrt{2}, \sqrt{8}, \sqrt{18}, \sqrt{32}, \dots$
 C) -2, 2, -2, 2, -2, ... D) 1, 1, 2, 2, 3, 3, ...
49. How many two-digit numbers are divisible by 3?
 A) 66 B) 65 C) 60 D) none of these
50. The Sup. $\{\sin x + \cos x\}$ is equal to.
 A) $\sqrt{2}$ B) 1 C) 2 D) $\frac{1}{\sqrt{2}}$
51. Name a single letter which when replaced by another letter in the following words form entirely new words. Express the answer as a fraction with the existing letter as its Numerator and the required letter as its Denominator
 i) Basic ii) Black iii) Back iv) Brick v) Stick
 A) W/C B) B/N C) C/N D) A/N
52. RESCUE is coded as 324152 and PUT is coded as 657, then what will be 623421572 stand for?
 A) PROSECUTE B) PERSECUTE C) PERSUADE D) PROSTITUTE
53. Miss Alice, Mr. Banarsi, Miss Chandra and Mr. Huq are standing at the four corners of a square field given below. If Alice and Chandra exchange their places, Banarsi and Huq exchange their positions. After that they move along the sides in the clockwise direction and each other half the side. Which of the following statements is correct?
 A) Alice is to the North-West of Banarsi
 B) Banarsi is to the North-West of Chandra
 C) Chandra is to the North of Alice
 D) Alice is to the North of Chandra



60. Ram is 15th from the front in a column of boys. There were thrice as many behind him as there were in front. How many boys are there between Ram and the 7th boy from the end of the column
A) 33 B) 34 C) 35 D) none of these
61. The maximum possible economic yield for a crop from a unit land area, when all the factors affecting the crop growth and yield are available without any constraints -
A) Crop yield B) Harvest C) Potential yield D) Harvest yield
62. _____ is the use of a judicious combination of mechanical, cultural, biological and chemical methods to achieve economic and effective weed control.
A) Allelopathic interaction B) Systemic fungicide interaction
C) Integrated weed management D) Herbicidal weed management
63. The literal meaning of the word 'locust' is -
A) Localization B) Spreading C) Plague D) Weathering
64. A single plant of cabbage infected with bacterium _____ in a transplant bed could potentially provide enough inoculums to infect a high percentage of plants under highly suitable conditions.
A) *Xanthomonas campestris* B) *Pseudomonas syringae*
C) *Klebsiella pneumonia* D) *E. coli*
65. The insect pest commonly known as 'Phadka' belongs to the family of short horned _____.
A) Termites B) Grasshopper C) Caterpillar D) Rice bug
66. Examination of _____ is a quick method for detection of seed borne fungal diseases.
A) Wet seeds B) Dry seeds C) Germinated seeds D) Viability test
67. _____ is used for detecting those fungi which are able to produce mycelium growth and fruiting structures under incubation.
A) Washing test B) Agar-plate method
C) Blotter method D) Embryo count method
68. The arrangement of soil particles and their aggregates into certain defined pattern is called
A) Texture B) Density C) Structure D) Porosity
69. Soil colour is the result of soil forming process termed as _____.
A) Lithochromic B) Pedochromic C) Pedography D) Rock succession
70. The successful management of resources for agriculture to satisfy changing human needs while maintaining or enhancing the quality of environment and conserving natural resources -
A) Concepts and basic principles of modern agriculture
B) Green revolution II
C) Sustainable agriculture
D) All of the above

71. A multipurpose non-edible oil yielding perennial shrub originated in tropical America and West Asia -
 A) Jatropha B) Spirullina C) Jojoba D) All of the above
72. The lepidopterous larva of *Tryporyza incertulas* is the potential pests of -
 A) Maize B) Paddy C) Chickpea D) Wheat
73. Nutrient deficiency symptoms in plants are -
 A) Chlorosis & Necrosis B) Rosetting
 C) Accumulation of anthocyanins D) All of the above
74. Lithosols, regosols and alluvium, the group whose development is influenced more by the nature of its parent material are known as _____ soils.
 A) Azonal B) Zonal C) Intrazonal D) None of the above
75. Growing of seeds collected from individual parent trees is called -
 A) F₁ hybrids B) Hybridization C) Progeny test D) Provenance test
76. The nature of crop grain is -
 A) Aerodynamic B) Hygroscopic C) Humid D) Wet and dry
77. The quality of coffee mainly depends upon -
 A) Harvesting B) Physiological maturity
 C) Ripening D) Processing
78. Pre-treatment of seeds helps them in _____ to improve germination.
 A) Softening of seed coat
 B) Softening of seed coat and leaching of ABA like inhibitors
 C) Dissolution of reserve food material in the seed
 D) None of the above
79. After preparing tissue culture media, inoculation is done by using _____ for raising aseptic cultures.
 A) Under aseptic lab conditions B) Laminar air flow cabinet
 C) Glass chamber D) All of the above
80. The hormone used to get multiple shoots in tissue culture technique is -
 A) IBA B) Auxins C) ABA D) Cytokinins
81. The permanent taste in ginger is due to -
 A) Oil B) Minerals C) Resins D) Starch
82. The correct botanical name of the cotton is _____.
 A) *Gossepium hirsetum* M. B) *Gossypium hirsutum* L.
 C) *Gosepeam hersetum* Roxb. D) *Gosipeam hearseatum* Roxb.
83. pH of water is acidic (< 7.0) because of
 A) Carbonic acid B) Room temperature
 C) High ratio OH ions D) None of the above

84. Failure of the endosperm to develop properly, results in retardation or arrest of embryo development, leading to embryo abortion, the phenomenon is called _____.
- A) Sterility
B) Infertile
C) Self-incompatible
D) Somatoplastic sterility
85. The two major insect pests of the wheat crop namely termites and *Gujhia* cause damage to the crop mainly by -
- A) Systemic rise through vascular system
B) Attacking root system of the plant
C) Loss of chlorophyll
D) All the above
86. It is very difficult to control red hairy caterpillar by conventional insecticidal treatments if the control measure is -
- A) Delayed till the larvae reach advanced and full grown stage
B) At reproductive stage of the crop
C) Harvesting stage of the crop
D) None of the above
87. The most serious pest of the mustard crop namely, *Lipaphis erysimi* Kaltenbach is a -
- A) Root eater
B) Aphid
C) Grain eater
D) All the above
88. The common name of *Dianthus caryophyllus*, an important commercial flower is -
- A) Amryllis
B) Daisy
C) Carnation
D) Dahlia
89. Propagation plant material used commercially for Tuberose (*Polianthus tuberosa*) is -
- A) Poly-embryonic seeds
B) Bulbs
C) Graft and budding
D) Cuttings
90. Loose smut of wheat and barley was controlled in India and Sweden through -
- A) Farmers direct participation
B) Disallowing their cultivation for two consecutive years
C) Seed certification programmes
D) Direct involvement of the local government
91. For eradication of inoculums of specific pathogen highly specific _____ are useful.
- A) Systemic fungicides
B) Acid treatment of the seeds
C) Effective storage of seeds at chilling temperature
D) Hot water treatment
92. Cotton wilt, *Fusarium oxysporum* f. sp. *vasinfectum* is often known to be more serious in _____ soils.
- A) Water deficient
B) Sodium deficient
C) Potassium deficient
D) Inadequately fertilized
93. Citrus seed viability declines rapidly in _____ due to increased content of phenolic compounds.
- A) Cold storage
B) Open storage
C) Seed treatment
D) ELISA test

94. The power of heat content in infrared ray drying in comparison to convection drying is higher by -
A) Six times B) Eight times C) Tens of times D) Twelve times
95. Amongst the uses of self-incompatibility the two inbred lines each _____ for different s-allele are crossed for commercial hybrid seed production.
A) Heterozygous B) Homozygous
C) Unreachable D) None of the above
96. The starting point in the production of genetically superior seeds of a tree species is the selection of:
A) Multipurpose Tree Species (MPTS) B) Candidate Plus Trees (CPT)
C) High Yielding Trees (HYT) D) All the above
97. The production of an embryo that bypasses the usual process of meiosis and fertilization is _____.
A) Polyembryo B) Apomixis
C) Non-recurrent apomixes D) Adventitious embryony
98. Why the clay pots after continuous use in the nursery require soaking in water before their re-use?
A) To loosen the clay particles
B) Aeration of the clay particles
C) To remove toxic salt accumulations
D) To cool inner lining of the pot to assist in seed germination
99. Alcohol produced from cassava with a suited process for commercial exploitation is -
A) Methyl alcohol B) Ethyl alcohol C) Butyl alcohol D) Propyl alcohol
100. Grinding of spices breaks down or exposes the tissues with inevitable loss of -
A) Colour Principles B) Moisture principles
C) Weight principles D) Aromatic principles

KEY C-5/6/7/8/10							
Q.No.	Ans	Q.No.	Ans	Q.No.	Ans	Q.No.	Ans
1	C	26	D	51	C	76	B
2	A	27	C	52	B	77	D
3	D	28	A	53	C	78	B
4	B	29	C	54	C	79	B
5	B	30	B	55	A	80	D
6	C	31	D	56	C	81	C
7	D	32	B	57	A	82	B
8	A	33	A	58	B	83	A
9	A	34	B	59	C	84	D
10	B	35	A	60	C	85	B
11	B	36	B	61	C	86	A
12	B	37	C	62	C	87	B
13	A	38	A	63	C	88	C
14	A	39	C	64	A	89	B
15	A	40	C	65	B	90	C
16	C	41	D	66	B	91	A
17	C	42	B	67	C	92	C
18	D	43	B	68	C	93	B
19	D	44	C	69	B	94	C
20	A	45	D	70	C	95	B
21	C	46	C	71	A	96	B
22	B	47	A	72	B	97	B
23	A	48	B	73	D	98	C
24	D	49	D	74	A	99	B
25	C	50	A	75	C	100	D