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Question Booklet & Answer Key
for the Recruitment Test of
Technical Officer/Sr. Branch Officer/Field
Officer(G)/Field Officer(P)/Assistant
Field Officer
held on 11.8.2013

English Version

1. 'ਸ਼ਬਦ' ਕੀ ਹੈ?
(A) ਸ਼ਬਦ ਅਰਥਾਂ ਦੀ ਪੱਧਰ 'ਤੇ ਭਾਸ਼ਾ ਦੀ ਛੋਟੀ ਤੋਂ ਛੋਟੀ ਸੁੰਤਰ ਇਕਾਈ ਹੈ
(B) ਸ਼ਬਦ ਨਿਸਾਰਥਕ ਧੁਨੀਆਂ ਦਾ ਸਮੂਹ ਹੈ
(C) ਸ਼ਬਦ ਸਾਰਥਕ ਧੁਨੀਆਂ ਦਾ ਸਮੂਹ ਹੈ
(D) ਸ਼ਬਦ ਵਿਆਕਰਣਕ ਇਕਾਈ ਹੈ
2. ਸ਼ੁੱਧ ਸ਼ਬਦ ਦੀ ਚੋਣ ਕਰੋ:
(A) ਸਿਫਾਰਸ (B) ਸਿਫਾਰਸ਼ (C) ਸੀਫਾਰਸ (D) ਸ਼ੀਫਾਰਸ਼
3. ਕਿਹੜਾ ਸ਼ਬਦ 'ਲਾਭ' ਦਾ ਸਾਮਾਨਰਥੀ ਹੈ:
(A) ਵੇਚ (B) ਵੱਟ (C) ਘਾਟਾ (D) ਫ਼ਾਇਦਾ
4. ਕਿਹੜਾ ਸ਼ਬਦ ਕੰਡਾ ਸ਼ਬਦ ਦੇ ਬਹੁਅਰਥਕ ਵੱਜੋਂ ਨਹੀਂ ਵਰਤੀਆ ਜਾ ਸਕਦਾ :
(A) ਤੱਕੜ (B) ਸੂਲ (C) ਹੱਡੀ (D) ਕੰਢਾ
5. ਪੜਨਾਂਵ ਕਿੰਨੀ ਕਿਸਮ ਦੇ ਹੁੰਦੇ ਹਨ:
(A) ਚਾਰ (B) ਪੰਜ (C) ਛੇ (D) ਸੱਤ
6. ਸੰਖਿਅਕ ਵਿਸ਼ੇਸ਼ਣ ਦੇ ਕਿੰਨੇ ਰੂਪ ਮੰਨੇ ਜਾਂਦੇ ਹਨ:
(A) ਸੱਤ (B) ਛੇ (C) ਪੰਜ (D) ਚਾਰ
7. 'ਮਾੜੀ' ਕੀ ਹੈ:
(A) ਭਾਸ਼ਾ (B) ਵਿਆਕਰਣ (C) ਉਪਭਾਸ਼ਾ (D) ਇਲਾਕਾ
8. 'ਪੁਆਧ' ਕੀ ਹੈ:
(A) ਉਪ-ਭਾਸ਼ਾ (B) ਇਲਾਕਾ (C) ਭਾਸ਼ਾ (D) ਵਿਆਕਰਣ
9. ਲੱਤ ਅੜਾਉਣੀ ਦਾ ਕੀ ਅਰਥ ਹੈ:
(A) ਸੰਭਲਿਆ ਨਾ ਜਾਣਾ (B) ਚੁਗਲੀ ਕਰਨੀ
(C) ਸਿਫਤ ਕਰਨੀ (D) ਖਾਹ-ਮਖਾਹ ਦਖਲ ਦੇਣਾ
10. ਕਿਹੜਾ ਸ਼ਬਦ 'ਦਰਖਤ' ਦਾ ਸਾਮਾਨਰਥੀ ਹੈ:
(A) ਫਲ (B) ਫੁੱਲ (C) ਰੁੱਖ (D) ਟਹਿਣੀ

Directions(Q.No. 11-15):- Out of the four given options, choose the expression that best explains the meaning of the idioms given below:-

11. Not to mince matters
(A) to speak unreservedly (B) to speak with difficulty
(C) to abuse somebody (D) to indulge in meaningless conversation
12. To rest on one's oars
(A) stopping work for a time and having rest (B) to be engaged in some meaningless work
(C) to work with devotion (D) to do one's work sincerely
13. To let the grass grow under his feet
(A) to remain idle (B) to be full of passion
(C) to lead a life of opulence (D) to be a swift walker
14. To nail one's colours to the mast
(A) to refuse to surrender (B) to create a good painting
(C) to be an efficient sailor (D) to use light colours in one's paintings
15. To cut someone dead
(A) to deliberately insult someone by ignoring her/him (B) to murder someone brutally
(C) to ridicule someone (D) to cut someone into pieces

Directions (Q.No.16-20) :- Out of the four given options, choose the correct preposition to be filled into the gaps:-

16. India has always been amenable ___ peace.
(A) of (B) to (C) at (D) with

17. Ramesh's house is adjacent ____ my school.
 (A) of (B) with (C) to (D) at
18. India's economy is beset ____ all kinds of problems.
 (A) of (B) at (C) by (D) with
19. He seems to be weary ____ life.
 (A) of (B) by (C) from (D) with
20. There is no early respite ____ heavy rains.
 (A) of (B) from (C) by (D) with
21. Name the Gurudwara which stands where Guru Harkrishan breathed his last.
 A) Bangla Sahib B) Ber Sahib – Sultanpur Lodhi
 C) Kiratpur Sahib D) Goindwal Sahib
22. Prof. Mohan Singh Memorial International Cultural Mela is held at
 A) Amritsar B) Ludhiana C) Patiala D) Jalandhar
23. The Supercop KPS Gill, belonged to which cadre?
 A) Punjab B) Maharashtra C) Karnataka D) Assam
24. Who among the following is not related to the history of Adi Granth?
 A) Bhai Gurdas B) Bhai Mani Singh C) Banda Bahadur D) Baba Budha
25. Kandi area, an important agro-climatic zone of Punjab, has following characteristics
 1. Sub-mountainous undulating terrain 2. High cost of cultivation
 3. Lack of perennial water source 4. Extremely fertile land
 A) 1 and 2 are correct B) 1, 2 and 3 are correct
 C) 2, 3 and 4 are correct D) 1, 2 and 4 are correct
26. When was the use of Punjabi made compulsory?
 A) 1966 B) 1967 C) 1990 D) 1992
27. Who among the following was the first Akali Chief Minister of Punjab?
 A) Giani Gurmukh Singh Mussafir B) Lachman Singh Gill
 C) Giani Kartar Singh D) Justic Gurnam Singh
28. Dhyam Chand, famous hockey player belonged to
 A) Madhya Pradesh B) Punjab C) Haryana D) Delhi
29. Which of the following is the correct span of Punjab in terms of latitude?
 A) 12.30° North to 18.32° North B) 19.30° North to 28.32° North
 C) 29.30° North to 32.32° North D) 39.30° North to 52.32° North
30. National Food Security Mission was introduced in Punjab during
 A) 2007-08 B) 2009-10 C) 2006-07 D) 2010-11
31. Global rating agency S and P expects India to grow by 6.5% during 2013. It stands for
 A) Sample and Perfect B) Standard and Poor's
 C) Spain and Pakistan D) Standard and Poverty
32. With which country has India entered into an agreement for the development of 'Fifth Generation Fighter Aircraft (FGFA)?
 A) USA B) Germany C) Russia D) Japan
33. Which is the largest Peninsula of the world?
 A) Arabia B) Southern India C) Alaska D) Labrador
34. Indian Navy launched its new warship INS Kiltan. It is
 A) anti-submarine B) anti-aircraft C) anti-piracy D) none of these

35. 'Laadli Laxmi Yojna' has been launched by _____ government for supporting girls of all religion and caste upto their marriage
 A) Rajasthan B) Madhya Pradesh C) Gujarat D) Punjab
36. "If a God were to tolerate untouchability I would not recognize him as God at all." These words were spoken by
 A) Gokhale B) Vivekananda C) Tilak D) Mahatma Gandhi
37. The 'Kutir Jyoti' proposal was made to provide electricity
 A) to all homes of rural people B) to urban poor, free of cost
 C) to homes of rural poor families below the poverty line D) to urban poor at moderate rates
38. The protein deficiency disease is known as
 A) kwashiorker B) cirrhosis C) eczema D) clycoses
39. Right to property was removed from the list of Fundamental Rights during the rule of
 A) Indira Gandhi Government B) Morarji Desai Government
 C) Narsimha Rao Government D) Vajpayee Government
40. The first Indian to cross seven important seas by swimming
 A) Amrendra Singh B) Bula Chaudhury C) Junko Taibei D) Yuri Gagarin
41. Complete the series 12, 36, 80, 150, 252, _____
 A) 392 B) 504 C) 452 D) 412
42. In a certain code COVALENT is written as BWPDUOFM and FORM is written as PGNS. How will SILVER be written in that code?
 A) MJTUDQ B) KHRSFW C) MJTWFS D) MJTSFW

Read the following information and answer the questions given below (43-44).

A is father of C, but C is not his son. E is daughter of C. F is the spouse of A. B is brother of C
 D is the son of B. G is the spouse of B. H is the father of G

43. Who is the grandmother of D?
 A) C B) A C) F D) H
44. Who is the son of F?
 A) B B) C C) D D) E

Read the following information and answer Q.Nos. 45-46.

In a car exhibition, seven cars of different companies viz. Cardilac, Ambassador, Fiat, Maruti, Mercedes, Bedford and Fargo were displayed in a row facing East such that

1. Cardilac car was to the immediate right of Fargo
2. Fargo was fourth to the right of Fiat
3. Maruti was between Amabssador and Bedford
4. Fiat, which was third to left of Ambassador, was at one of ends

45. Which of the following was the correct position of Mercedes?
 A) immediate right of Cardilac B) immediate left of Bedford
 C) between Bedford and Fargo D) fourth to right of Maruti
46. Which of the following is definitely true?
 A) Maruti is to immediate left of Ambassador B) Bedford is to immediate left of Fiat
 C) Bedford is at one of the ends D) Fiat is second to the right of Maruti
47. One evening, Shaan and Shyam were standing in a ground facing each other. The shadow of shyam was falling to his left, which direction was Shaan facing?
 A) East B) North C) West D) South
48. In the sequence given below, how many 8s are there each of which is exactly divisible by its immediate preceding as well as succeeding numbers
 2 8 3 8 2 4 8 2 4 8 6 8 2 8 2 4 8 3 8 2 8 6
 A) 1 B) 0 C) 2 D) 4

49. Manoj and Sachin ranked 7th and 11th respectively from the top in a class of 31 students. What are their respective ranks from the bottom?
 A) 20th & 24th B) 24th & 20th C) 25th & 21st D) 26th & 22nd
50. Replace the question mark (?) from the options given below:
- | | | |
|-----|-----|----|
| 1 | 3 | 7 |
| 5 | 12 | 14 |
| 25 | ? | 28 |
| 125 | 192 | 56 |
- A) 64 B) 56 C) 48 D) 40
51. Three containers contain different quantities of mixture of milk and water, whose measurements are 403 kg, 434 kg and 465 kg. What biggest measure can be used to measure all different quantities exactly?
 A) 1 kg B) 7 kg C) 31 kg D) 41 kg
52. In a class, there are 2 sections A and B. If 10 students of section B shift to section A, the strength of A becomes three times of that of B. But, if 10 students shift over from A to B, both A and B are in equal strength. How many students are there in sections A and B?
 A) 50 and 30 B) 45 and 15 C) 90 and 40 D) 80 and 40
53. Simplify

$$\frac{38 \times 38 \times 38 + 34 \times 34 \times 34 + 28 \times 28 \times 28 - 38 \times 28 \times 34}{38 \times 38 + 34 \times 34 + 28 \times 28 - 38 \times 34 - 34 \times 28 - 38 \times 28} = ?$$

 A) 24 B) 32 C) 44 D) 100
54. In a class with a certain number of students, if one student weighing 50 kg is added then the average weight of class increases by 1 kg. If one more student weighing 50 kg is added, then the average weight of the class increases by 1.5 kg over the original average. What is the original average weight of the class?
 A) 2 kg B) 4 kg C) 46 kg D) 47 kg
55. The difference between the radii of the smaller circle and the bigger circle is 7 cm and the difference between the areas of two circles is 1078 cm². Radius of smaller circle is
 A) 17.5 cm B) 21 cm C) 28 cm D) 27 cm
56. A dairyman buys milk at ₹ 6.40 per litre. He adds water and sells the mixture at ₹ 8 per litre, thereby making 37.5% profit. The proportion of water to milk received by the customer is
 A) 1 : 10 B) 1 : 12 C) 1 : 15 D) 1 : 20
57. A, B and C enter into partnership. A invests some money in the beginning, B invests double the amount after 6 months and C invests thrice the amount after 8 months. If the annual profit be ₹ 27000, C's share is
 A) ₹ 8625 B) ₹ 9000 C) ₹ 10800 D) ₹ 11250
58. Bombay Express left Delhi for Bombay at 14.30 hours, travelling at a speed of 60 km/hour and Rajdhani Express left Delhi for Bombay on the same day at 16.30 hours, travelling at a speed of 80 km/hour. How far away from Delhi will the two trains meet?
 A) 120 km B) 360 km C) 480 km D) 500 km
59. A sum of ₹ 5300 was taken as a loan. This is to be repaid in 2 equal installments. If the rate of interest be 12% compound annually, the value of each installment is
 A) ₹ 3150 B) ₹ 3248 C) ₹ 3345 D) ₹ 3136
60. A pipe can fill a cistern in 12 minutes and another pipe can fill it in 15 minutes. But, a 3rd pipe can empty it in 6 minutes. The first two pipes are kept open for 5 minutes in beginning and then 3rd pipe is also opened. In what time is the cistern emptied?
 A) 30 minutes B) 33 minutes C) 37 $\frac{1}{2}$ minutes D) 45 minutes

61. The Thesaurus tool in MS-Word
 A) finds repeated words in the document B) gives synonyms and antonyms Words
 C) checks for misspelled words as you type D) none of the above
62. In MS-PowerPoint presentation, slide show can be started from:
 A) Beginning Slide B) Current Slide
 C) Both A and B are correct D) None of the option
63. Macros in MS-Power point can be recorded from:
 A) Insert menu B) Tools Menu C) Edit Menu D) Developer Menu
64. In a MS-Excel sheet, Cell A1 to A10 has certain values. In cell A11, you wish to find out the average of all the values which are less than 1000 in cell A1 to A10. What is command to do that?
 A) =AVERAGE(A1 to A10, "<1000") B) =AVERAGE(A1:A10, "<1000")
 C) =AVERAGEIF(A1:A10, "<1000") D) All are incorrect
65. In a MS-Excel sheet, Cell A2 has text "Rajesh", Cell A3 has Currency of "\$2000". In cell A4, you wish to place currency located in A3 with A2 contents such that 'A2 has salary A3'. What is command to do that?
 A) =A2&" has salary "&TEXT(A3,"\$0.00") B) =A2&" has salary "&A3
 C) =A2&" has salary "&TEXT(A3,"\$") D) All are incorrect
66. Successful management of the agricultural resources to satisfy human needs while ensuring the quality of environment and conserving the natural resources:
 A) Principles of modern agriculture B) Sustainable agriculture
 C) Green revolution D) All the above
67. The value of crop seed quality concerns:
 A) Price index for the crop harvest B) Input and output of seed quantity
 C) An energy or protein source in human food or animal feed D) Returns from the harvested crop
68. The word agronomy is a combination of two Greek words, *agros* and *nomos* having the meaning:
 A) Art of managing field
 B) Science and economics of crop & managing farmland
 C) Agricultural science dealing with principles & practices of field crop production and management of soil for higher productivity
 D) All of the above
69. The maturation of anthers and stigma of a flower at different times is:
 A) Dicliny B) Dichogamy C) Prepotency D) Herkogamy
70. Termites or white ants are of great interest from different angles:
 A) Biological B) Physiological & Morphological C) Sociological D) All the above
71. Pollinating agent in the sunflower crop is:
 A) Anemophilous B) *Apis mellifera* C) *Helianthus annuus* D) Hydrophilous
72. The common name 'Phadka' is given to a species of grasshopper:
 A) *Hieroglyphus banian* Fabricius B) *Colemania sphenarioides* Boliver
 C) *Hieroglyphus nigrorepletus* Boliver D) None of the above
73. Seed germination is tested with _____ to check the viability and vigour of seeds.
 A) Agglutination test B) ELISA test C) Tetrazolium test D) DNA fingerprinting
74. A manure derived from decomposed plant residues prepared by fermenting waste plant materials:
 A) Compost B) Farm Yard Manure
 C) Organic manure D) Sewage and Sludge

75. Nutrient use efficiency (NUE) refers to:
 A) Absorption and translocation of nutrients by plant
 B) Yield per kg of nutrient applied
 C) Availability of nutrients to the plant
 D) All the above
76. Soil porosity is the _____.
 A) Movement of air and water through micropores
 B) Weight per unit volume of solid portion of soil
 C) Oven dry weight of unit volume of soil
 D) Percentage of soil volume occupied by pore spaces
77. The end products after decomposition of lignin is:
 A) Ammonia B) Cellobiose and glucose
 C) Carbon dioxide and water D) Organic acids
78. Growing of the seeds collected from individual parent trees is:
 A) F₁ hybrids B) Hybridization C) Progeny test D) Provenance test
79. A genetic mechanisms used in all *Brassica* vegetables for the F₁ seed production is:
 A) Male sterility B) Self incompatibility C) Self expression D) Cross pollination
80. The fungi producing mycelium growth and fruiting structures under incubation is detected with the help of:
 A) Agar-plate method B) Blotter method C) Embryo count method D) Washing test
81. 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*
82. Aleurone layer in Maize grain is a part of:
 A) Pericarp B) Endosperm C) Scutellum D) All the above
83. The failure of endosperm to develop properly resulting in a retarded embryo and its abortion, the phenomenon is called
 A) Sterility B) Infertile C) Self-incompatible D) Somatoplastic sterility
84. The type of seed germination in Maize is:
 A) Epigeal B) Hypogeal
 C) Mainly epigeal and partially Hypogeal D) Partially Epigeal and mainly Hypogeal
85. The maximum possible economic yield of a crop per unit land area when all the factors affecting the crop growth and yield are available without any constraints:
 A) Crop yield B) Harvest C) Harvest yield D) Potential yield
86. *Triticale* is an example of _____ hybridization.
 A) Intervarietal B) Intravarietal C) Interspecific D) Intergeneric
87. The major components of the soil are:
 A) Micro-organisms, mineral matter and water
 B) Mineral matter, organic matter, water and air
 C) Sand, loam and silt
 D) Mineral and organic matter
88. Seed transmission of viruses generally occurs through:
 A) Cotyledons B) Gametes C) Endosperm D) Epicotyls
89. First cutting and then inverting of soil after the harvesting of crop or untilled fallow is:
 A) Primary tillage B) Secondary tillage C) Seed bed preparation D) All the above

90. Chromosomes not associated with the sex are known as:
A)Autosomes B)Y-chromosomes C)Polytene chromosomes D)Lampbrush chromosomes
91. The common name of an important commercial flower *Dianthus caryophyllus* is:
A) Amryllis B) Carnation C) Dahlia D) Daisy
92. For eradication of inoculums of a specific pathogen highly specific _____ are used.
A) Acid treatment of the seeds B) Effective storage of seeds at chilling temperature
C) Hot water treatment D) Systemic fungicides
93. Production of an embryo that bypasses the usual process of meiosis and fertilization is:
A) Apomixis B) Polyembryo
C) Non-recurrent apomixes D) Adventitious embryony
94. Causal organism for the 'Wart Disease of Potato' is:
A) *Olpidium* B) *Physoderma* C) *Synchytrium* D) *Urophlyctis*
95. The unavailable form of water held tightly at the surface of soil particles by the forces of adhesion or adsorption is:
A) Capillary water B) Hygroscopic water
C) Gravitational water D) All the above
96. Seed ageing causes _____ changes in the seeds affecting genetic purity of a cultivar.
A) Biochemical B) Cytogenetical C) Orthodox D) Visible
97. The dissociation constant (K_w) of water is directly proportional to:
A) Atmospheric pressure B) Diffusion C) pH D) Temperature
98. The remains of aquatic, marsh, bog or swamp vegetation preserved under water in a partially decomposed state is:
A) Organic fertilizer B) Peat C) Reed sedge D) Sphagnum moss
99. Name of the micaceous mineral that expands markedly upon heating and a chemically hydrated magnesium-aluminum-iron silicate is:
A) Calcined clay B) Vermiculite C) Perlite D) Pumice
100. In Cabbage, the leaves are _____ arranged.
A) Arcinately B) Crumpledly C) Involutely D) Plicately

Answer- Key

Code: 4,5,6,7,8

(Technical Officer, Sr. Branch Officer, Field Officer(G),

Field Officer(P), Asstt. Field Officer)

Q.	Ans.	Q.	Ans.	Q.	Ans.	Q.	Ans.
1	A	26	D	51	C	76	D
2	B	27	D	52	A	77	C
3	D	28	A	53	D	78	C
4	D	29	C	54	D	79	B
5	C	30	A	55	B	80	B
6	B	31	B	56	A	81	A
7	C	32	C	57	B	82	B
8	B	33	A	58	C	83	D
9	D	34	A	59	D	84	D
10	C	35	B	60	D	85	D
11	A	36	D	61	B	86	C
12	A	37	C	62	C	87	B
13	A	38	A	63	D	88	B
14	A	39	B	64	C	89	A
15	A	40	B	65	A	90	A
16	B	41	A	66	B	91	B
17	C	42	D	67	C	92	D
18	D	43	C	68	D	93	A
19	A	44	A	69	B	94	C
20	B	45	D	70	D	95	B
21	A	46	A	71	B	96	B
22	B	47	B	72	C	97	D
23	D	48	C	73	C	98	B
24	C	49	C	74	A	99	B
25	B	50	C	75	B	100	B

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