

**Question Booklet and Answer-Key**  
**Recruitment Test of JE(Horticulture),**  
**Local Govt. Punjab Held on 30.3.2014.**

**Directions Qs.1-4:-** Mark the correct synonym, out of the four choices given, of the following words :-

1. Overwrought  
A) Tense                      B) Empathetic                      C) Oppressive                      D) Preposterous
2. Mannequin:-  
A) Mannerly                      B) Dummy                      C) Materialistic                      D) Massive
3. Pontifical:-  
A) Supportive                      B) Predominant                      C) Doctrinaire                      D) Potential
4. Restitution  
A) Cautious                      B) Occupation                      C) Seizure                      D) Recovery

**Directions Q. No. 5-7:** Mark the correct meaning of the italicized idioms/phrases used in the following sentences out of the four choices:-

5. The High Court has *set aside* the decree of the lower court.  
A) annulled                      B) reinforced                      C) condemned                      D) appreciated
6. Karimuddin *pulled through* the examination.  
A) did not appear at                      B) passed with difficulty                      C) became ill                      D) created disorder
7. Kirat has *knocked about* the world a great deal.  
A) wasted his time                      B) condemned the world  
C) wandered about                      D) exposed his innermost feelings to others

**Directions: Q.8-10:** Choose the correct preposition, out of the four given choices, to be filled in the gaps of the following sentences:-

8. After a long discussion, he will come round \_\_\_ our views.  
A) at                      B) in                      C) of                      D) to
9. Thousands of people in the villages were carried \_\_\_ by plague last year.  
A) off                      B) in                      C) of                      D) from
10. I feel quite done \_\_\_ now.  
A) by                      B) up                      C) at                      D) from
11. Washing soda is the common name for  
A) Calcium carbonate                      B) Calcium bicarbonate  
C) Sodium carbonate                      D) sodium bicarbonate
12. Red blood corpuscles are formed in  
A) Liver                      B) Small intestine                      C) Kidneys                      D) Bone marrow
13. Goitre is caused by the deficiency of  
A) Zinc                      B) Chlorine                      C) Iron                      D) Iodine
14. The scientific study of ageing is known as  
A) Etiology                      B) Gerontology                      C) Osteology                      D) Teratology
15. In which language did Buddha preach?  
A) Pali                      B) Prakrit                      C) Brahmi                      D) Sanskrit
16. Who among the following Mughal rulers was ignorant of the art of reading & writing?  
A) Babar                      B) Humayun                      C) Akbar                      D) Jehangir

17. The theory of economic drain of India during British imperialism was propounded by  
 A) M.K. Gandhi      B) Jawaharlal Nehru      C) Dadabhai Naoroji      D) R.C.Dutt
18. Who declared: 'The only hope for India is from the masses. The upper classes are physically and morally dead'?  
 A) Mahatma Gandhi      B) Gopal Krishna Gokhale  
 C) Swami Vivekananda      D) Bal Gangadhar Tilak
19. Who was the first speaker of the Lok Sabha?  
 A) Malgaonkar      B) P. Upendra  
 C) Anantha Sayanam Ayyanagar      D) Hukum Singh
20. What is 'Zero hour'?  
 A) When the proposals of the opposition are considered  
 B) When matters of utmost importance are raised  
 C) interval between the morning and afternoon sessions  
 D) when a Money Bill is introduced in the Lok Sabha
21. The basic regulatory authority for mutual funds and stock markets lies with the  
 A) Government of India      B) Reserve Bank of India  
 C) Securities and Exchange Board of India      D) Stock Exchanges
22. Which of the following does publish 'World Investment Report' ?  
 A) WEF      B) WTO      C) GATT      D) UNCTAD
23. CENVAT is associated with  
 A) Rate of indirect tax      B) Rate of income tax  
 C) Rate of direct tax      D) None of the above
24. Which of the following has been appointed as brand ambassador of the Gujarat State Election Commission:  
 A) Amitabh Bachan      B) Cheteshwar Pujara  
 C) Ravinder Jadeja      D) Irfan Khan
25. World Day against Child Labour is celebrated on:  
 A) June 12      B) June 16      C) June 20      D) June 11
26. Malala Yousazai fought for girls' education in Swat valley against the Taliban and was shot in head by Taliban militant. Her birthday was declared as Malala Day by UN General Secretary Ban Ki-Moon. The first Malala Day was observed on:  
 A) July 12, 2013      B) October 9, 2013      C) September 11, 2013      D) April 12, 2013
27. Bermuda Triangle extend upto which of the following places?  
 1. Southern Florida      2. Puerto Rico      3. Hawaii Islands  
 Which of the statement(s) given above is /are correct.  
 A) 1,2 and 3      B) 1 and 2 only      C) 2 and 3 only      D) 1 and 3 only
28. For which sport is the Val Barker Cup awarded in the Olympic Games?  
 A) Swimming      B) Boxing      C) Long Jump      D) High Jump
29. Acid rain is caused by the pollution of environment by :  
 A) carbon dioxide and nitrogen      B) carbon monoxide and carbon dioxide  
 C) ozone and carbon dioxide      D) nitrous oxide and sulphur dioxide
30. Who is at present the Foreign Secretary of India?  
 A) Sujatha Singh      B) Manorama Singh      C) Amita Sharma      D) Aruna Rai

31. 'Cell' is related to 'Tissue' in the same way as 'Tissue' is related to  
 A) Object                      B) Ear                      C) Organ                      D) Limb
32. Choose the word from the given alternatives that shows the same relationship as is found between the two words to the right of the sign ::  
 QPRS : TUWV :: JIKL : ?  
 A) NMOP                      B) NMPO                      C) MNPO                      D) MNOP
33. Three of the following are alike in a certain way and so form a group. Which is the one that does not belong to the group?  
 A) Volume                      B) Size                      C) Large                      D) Shape
34. Three of the following four are alike in a certain way and so form a group. Which is the one that does not belong to the group?  
 A) 62                      B) 42                      C) 152                      D) 110
35. In a certain code language, 'BAT' is written 'YZG'. How will 'SICK' be written in that same code?  
 A) HRYV                      B) HRZP                      C) HRXP                      D) RHPX
36. In a certain code language 'min fin bin gin' means 'Trains are always late', 'gin din cin hin' means 'Drivers were always punished', 'bin cin vin rin' means 'Drivers stopped all trains', 'din kin fin vin' means 'All passengers were late'.  
 In the same code, 'hin min kin' would mean:  
 A) Always late train                      B) all passenger trains  
 C) Passengers are late                      D) Passengers are punished

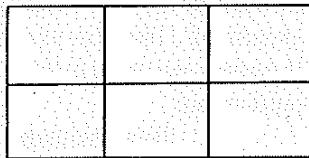
**Directions Q.No. 37 to 39:** Read the pattern of words/numbers and find the missing term from the given alternatives:

37. IAZ, KEB, ?, OOF, QUH  
 A) MDD                      B) MII                      C) MIO                      D) MID
38. 419, 738, 639, ?  
 A) 650                      B) 659                      C) 759                      D) 859
39. 4, 16, 36, 64, ?, 144  
 A) 81                      B) 90                      C) 100                      D) 121
40. Ravi walk 8 mt. North East and then 6 m South East. What is the straight line distance between the starting point and end point?  
 A) 10 mt                      B) 14 mt                      C) 7 mt                      D) 2 mt
41. If 'P + Q' means that P is the sister of Q, 'P - Q' means that P is the mother of Q, 'P x Q' means that P is the brother of Q, 'P ÷ Q' means that P is the father of Q. Which of the following means that M is the maternal-uncle of R?  
 A)  $M \times T - R$                       B)  $M \div T \times R$                       C)  $M + T \div K - R$                       D)  $M \div N + J$
42. Poonam said to her friend, "Yesterday I attended the birthday party of the son of the only son-in-law of my mother's mother." How is Poonam related to the man, whose birthday party she attended?  
 A) Niece                      B) Daughter                      C) Sister                      D) Mother
43. In the following series, some letters are missing which are given in that order as one of the alternatives below it. Choose the correct alternative.  
 a - bc - a - bcda - ccd - bcd -  
 A) bdbcb                      B) daabcb                      C) adbbad                      D) adabcd

Directions for Q.No.44 to 46: Read the following information carefully and answer the questions given below:

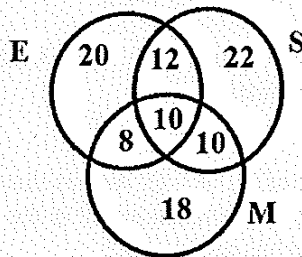
- (i) Eight rooms P, Q, R, S, T, U, V and W are located adjacent to one another in two different rows with four in each row.
- (ii) Doors of the rooms of one row open into the doors of the rooms of another row.
- (iii) No room of consecutive letter is either adjacent or opposite to each other.
- (iv) P and Q are the rooms located at the end of two different rows.
- (v) R is just left of T and is located in the same row in which P is located.
- (vi) U is just left of Q.

44. Which room is opposite to P?  
 A) S                      B) U                      C) W                      D) None of these
45. Which room is diagonally opposite to S?  
 A) Q                      B) W                      C) V                      D) None of these
46. Which of the following room is not located at either ends?  
 A) Q                      B) V                      C) S                      D) W
47. How many parallelograms are there in the figure given below?



- A) 14                      B) 15                      C) 18                      D) 16
48. The ratio between the present ages of Ravi and Vinay is 7:15 respectively. Two years from now, Vinay's age will become twice the age of Ravi. What was the difference between their ages five years ago?  
 A) 13 year                      B) 16 year                      C) 11 year                      D) 18 year

Directions Q. No. 49-50: 120 candidates appeared in an examination in three subjects: English (E), Science (S) and Maths (M). The number of candidates who failed in E, S and M are shown in the following diagram:



49. Find the number of candidates who failed in atmost one subject.  
 A) 90                      B) 110                      C) 60                      D) 80
50. Find the % candidates who failed in atleast one subject.  
 A) 60%                      B) 50%                      C) 83.3%                      D) None of above
51. 'Alphonso' variety of fruit is of:  
 A) Guava                      B) Litchi                      C)Mango                      D) Pomegranate

52. Black tip disease of mango is caused by:  
 A) Fungal disease B) Insect bite  
 C) Viral disease D) Toxic gases from the fumes of brick kiln
53. Citrus canker is a:  
 A) Bacterial disease B) Viral disease C) Fungal disease D) None of the above
54. Powdery mildew can be controlled by spraying:  
 A) Melathion B) Thiocyan  
 C) Karathane or Wettable sulphur D) All the above
55. Pear is one of the important fruit of the:  
 A) Arid region B) Temperate region C) Tropical region D) Sub-tropical region
56. 'Florida Prince', and 'Shane-e-Punjab' are important varieties of:  
 A) Khurmani B) Peach C) Pear D) Plum
57. 'Dehradun' and 'Calcuttia' are important cultivars of:  
 A) Pear B) Litchi C) Plum D) None of the above
58. Papaya plant is:  
 A) Monoecious B) Dioecious C) Hermaphrodite D) Have all the above types
59. A fruit is a:  
 A) Ripened ovule B) Ripened seed C) Ripened ovary D) Mature pedicel
60. Streptomycin can be used in plants to cure infection of:  
 A) Bacteria B) Virus C) Fungi D) Myxomycetes
61. Number of mitochondria in a green plant cell is \_\_\_\_\_ in animal cell.  
 A) Less than B) More than C) Same as D) No relevance
62. Damping-off a horticultural disease or condition caused by a number of pathogens is:  
 A) At seedling stage B) Before flower initiation  
 C) After fruit set D) All of the above
63. Plants grow well in  
 A) Sandy soil B) Clay soil C) Loamy soil D) Alkaline soil
64. Percentage quantity of nitrogen in urea is:  
 A) 34 B) 40 C) 46 D) 52
65. Best planting time for deciduous fruit trees is  
 A) May-June B) June-July C) September-October D) December-January
66. Best time for pruning of grape vine is:  
 A) January B) March C) July D) October
67. Best time for pruning of roses is:  
 A) January-February B) May-June C) July-August D) October-November
68. 'Gola' and 'Umran' are specific cultivars of:  
 A) Ber B) Falsa C) Loquat D) Plum
69. Apple grows well in \_\_\_\_\_ climate.  
 A) Arid B) Sub-tropical C) Tropical D) Temperate

70. Leaf curl disease of *Carica papaya* from India may be caused by:  
 A) Fungal                      B) Bacterial                      C) Virus                      D) None of the above
71. Banana is generally propagated by  
 A) Pups                      B) Offshoots                      C) Successors                      D) All of the above
72. Ash Gourd belongs to the family:  
 A) Solanaceae                      B) Cucurbitaceae                      C) Rosaceae                      D) Fabaceae
73. Alternative bearing in mango is:  
 A) Due to virus infection                      B) Due to vegetative malformation  
 C) Hereditary character                      D) Seasonal variation
74. Ginger is a:  
 A) Bulb                      B) Stem                      C) Rhizome                      D) Tuber
75. Jatti Khatti (*Citrus jambiri*) is a root stock of:  
 A) Litchi                      B) Chiku                      C) Kinnow                      D) Pomegranate
76. Roses are usually propagated by:  
 A) Ring grafting                      B) T-budding                      C) Stem cuttings                      D) Air-layering
77. Potato is a modified form of:  
 A) Leaf                      B) Stem                      C) Root                      D) None of the above
78. Aquatic plants have well developed:  
 A) Roots                      B) Xylem                      C) Stomata                      D) Aerenchyma
79. The edible part of coconut is:  
 A) Pericarp                      B) Seed coat                      C) Endosperm                      D) Embryo
80. Apomixis means development of plants:  
 A) From fusion of gametes                      B) Without fusion of gametes  
 C) From stem cuttings                      D) Micro-propagation
81. The transfer of pollen grains from the anther of one flower to the stigma of a genetically different flower is:  
 A) Cross pollination                      B) Allogamy                      C) Xenogamy                      D) All the above
82. A fruit developed from a whole inflorescence including its peduncle and flowers is a:  
 A) Simple fruit                      B) Aggregate fruit                      C) Composite fruit                      D) None of the above
83. Resins are commonly found in:  
 A) Algae                      B) Pteridophytes                      C) Gymnosperms                      D) Angiosperms
84. Morphine is obtained from:  
 A) *Cinchona officinalis*                      B) *Atropa belladonna*  
 C) *Papaver rhoeas*                      D) *Papaver somniferum*
85. Bacterial DNA is:  
 A) Straight                      B) Circular and free                      C) Helical                      D) Membrane bound
86. In a chemical method of protoplast fusion, protoplasts are treated with:  
 A) Benzyl-6-amino purine (BAP)                      B) Indole-3-acetic acid (IAA)  
 C) Polyethylene glycol (PEG)                      D) Naphthalene acetic acid (NAA)
87. Biological control means:  
 A) Control of harmful insects                      B) Control of weeds  
 C) Control of pests and weeds through specific organisms                      D) None of the above

88. In India, the most popular bioinsecticide is extracted from:  
 A) *Acacia*                      B) *Azadirachta*                      C) *Cassia*                      D) *Dalbergia*
89. Herbicides interfere with:  
 A) Water absorption                      B) Photolysis of water  
 C) CO<sub>2</sub> absorption                      D) Translocation of sugars
90. Wood used for manufacturing matches is derived from:  
 A) *Bombax malabaricum*                      B) *Hibiscus rosa-sinensis*  
 C) *Malva sylvestris*                      D) *Gossypium herbaceum*
91. Fruit jam bottled and packed airtight will not permit fungal and bacterial growth because:  
 A) It is air tight                      B) Nutrients present in it are not suitable for saprophytes  
 C) It is hypertonic                      D) None of the above
92. Acid rain is rich in:  
 A) Acetic acid                      B) Carboxylic acid                      C) Nitric acid                      D) Sulphuric acid
93. Clove is a dried:  
 A) Vegetative bud                      B) Flower bud                      C) Fruit                      D) Seed
94. Which one of the following is known as a living fossil?  
 A) *Ephedra bifoliata*                      B) *Ginkgo biloba*                      C) *Pinus roxburghii*                      D) *Taxus baccata*
95. Jute fibres are part of:  
 A) Cortex                      B) Epidermis                      C) Phloem                      D) Xylem
96. In pea (*Pisum sativum*) reserve food material is stored in:  
 A) Radicle                      B) Cotyledons                      C) Plumule                      D) Seed coat
97. Sugarcane breeding Research Institute is located at:  
 A) Bangalore                      B) Bhubaneshwar                      C) Coimbatore                      D) Lucknow
98. The principal source of Indian turpentine oil is:  
 A) *Pinus*                      B) *Pogostemon*                      C) *Rosa*                      D) *Syzygium*
99. Stone cells are found in the fruits of:  
 A) Apple                      B) Banana                      C) Mango                      D) Pear
100. Source of food for the silkworms is leaves of:  
 A) Gooseberry                      B) Blackberry                      C) Raspberry                      D) Mulberry



**KEY****Post: JE Horticulture (30.03.2014, Evening Session)**

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