I.(Question 1-5):Read the following passage and answer the questions that follow :

Social Networking

On-line social networking via mobile phones and computers is a global revolutions .Around a billion people world wide use networking to stay in touch with friends, to share videos and photographs and to exchange information. But if you are using networking in this way, you should be aware of the risk that exist. Social Networking is such that most of the extensive number of users are unknown to you. This carries a degree of risk. Once a message ,video or photo has been shared online, it is out of your hands because you cant control where it goes. this means that you may be sharing your personal information with people you do not know and who may not be trust worthy.

Some vital points to be consider in order to reduce risks when using Social Networking include :keeping personal details private ,thinking carefully before posting ,chatting, uploading or downloading and using privacy settings to restrict strangers accessing your information.

1.Which of these online messages might lead to a social networking user being in a physically dangerous situation ?

(a) Can't wait to see you

(b) See you at Badli station.9 am today Red hat.

(c) going on holiday with aunt.Back in a week.

(d) So much fun with best friend at café on weekend.

2.Which of these sayings summarises the message within this passage ?

(a)freedom of speech is the noblest right.

(b)Privacy is for people with something to hide

(c)people have three lives: public ,private and secret.

(d)if you haven't got anything nice to say ,don't say anything.

3. Social Networking is called a "revolution" because it

(a) is a significant change   (b) is a political movement

(c) revolves around the globe (d) causes conflict across society.

4.The text refers to "the extensive numbers of users" in order to

(a)persuade readers to join in (b)indicate Social Networking is world wide.

(c) show there are lotsd of opportunities to make friends.

(d) suggest that large numbers increase the chance of danger.

5.Having your personal information accesed by some one unknown can be best compared with

(a) talking to strangers in the street   (b)sharing your diary entries with a friend

(c)inviting unknown people in to your house

(d)people overhearing your confidential conversations.

(Questions 6-9):Read this passage by selecting the most suitable word/phrase from each list to fill the corresponding gap.

For years researchers have _6_ about why zebras have stripes.reasons for the unusual pattern of black and white stripes have included confusing predators ,camouflaging in glasslands,and allowing zebras to _7_ each other in their heads.But no one has tested these hypotheses.it now seems that a new study has found the answer.zebra stripes disrupt light patterns that tsetse flies and horseflies use to find food and water.these insects are __8__ pests that feed on the blood of animals,__9__ lead to the transmission of serious illnesses.

6. Which of these fits gap 7?

(a)meet   (b)witness   (c)recognize   (d)acknowledge

7. Which of these fits gap 8 ?

(a) shameful   (b)notorious   (c)considerate   (d)scandalous

8.Which of these fits gap 9 ?

(a)that can   (b) and they   (c)which can   (d)those which

9.Which of these gap fits 6 ?

(a) realized   (b)guessed   (c)considered   (d)speculated

10.(Questions 10-13):Complete this passage by seleting the most suitable word from each list to fill the corresponding gap .

At the break ofdawn the chatter of birds was replaced _10_ an eerie silence .The temperature dropped and the Moon _11_ the Sun ,creating an image of an invisible dragon devouring the Sun.a shadow was cast thatwas so large that it _23_ the land in to darkness. Withoout warning a commotion of drummers drumming and archers shooting _24_ arrows into the sky began.The dragon was frightened away and daylight was restored.

10.Which of these fits gap 11.?

(a) overcast   (b) obscured   (c) overtakes   (d) overexposed

11.Which of these fits gap12 ?

(a) divided   (b)plunged   (c)lowered   (d)collapsed

12.Which of these fits gap 13?

(a) my   (b) our   (c) your   (d) their

13.Which of these fits gap 10 ?

(a) in   (b) by   (c) after   (d) despite

SECTION –B (QUALITATIVE REASONING)

14. Idioms are expressions that convey a deeper meaning that goes beyond what is presented.

'He let the cat out of the bag'

Which of these illustrates the idiom above?

    (a) He told people everything

    (b) He accidentally revealed a secret

    (c)He let the animal slip from his grasp

(d) He released the animal from captivity.

15."Are you tired of not knowing where your teenager is?Now you can be sure they are safe all the time !simply buy the Teen Locator app for you ipone-it's easy to use and the cheapest way to protect your child!"

Which words in the advertisement above are designed to appeal to parents who are frustrated with the actions of their teenage child ?

    (a) 'its easy to use'   (b)'protect your childs'

    (c)'be sure they are safe'   (d) 'tired of not knowing'

16.Which of the following is not a quadratic equation

(a)$(x-2)^2+1=2x-x$ (b)$x(x+1)+8=(x+2)(x-2)$

(c) $x(2x+3)=x^2+1$ (d)$(x+2)^3=x^3-4$

17.If the equation kx^2+2x+k has two real roots then

(a) k = 0   (b) k = $\pm$ 1   (c) k = 2   d) k = -2

18.The 11th term of the 10.0,10.5,11.0,11.5……is

(a)13   (b)14   (c)15   (d)16

19.How many 2 digit number are divisible by 3?

(a)10   (b)20   (c)40   (d)30

20. The sum of the first 15 multiples of 8 is

(a)960　　　　(b)1000　　　　　　(c)940　　　　(d)1060

21. The distance of the point (-2,5)from y-axis is

(a)1　　　　(b)4　　　　　　(c)2　　　　(d)3

22. The area of the triangle whose vertical are (0,0)(a,0) and (0,b) is ?

(a)ab　　　　(b)1/2 ab　　　　　(c)a+b　　　(d)a^2+b^2

23.If the shadow 10m height tree is 10√3 m,then find the angle of elevation of the sum?

(a)60^0　　　　(b)90^0　　　　　(c)45^0　　　(d)30^0

24.The angle of the elevation of the top of a tower from a point situated at a distance of 100 m from the base of the tower is 30^0 ,then height of the tower is

(a)

25.From a point Q the length of the tangent to a circle is 24 cm and the distance of Q from the center is 25cm.then radius of the circle is

(a) 7cm　　　(b)12cm　　　(c)15cm　　　(d)24cm

26.Insert the missing numerical value in the following pattern ?

27. How many triangles are there in the following figure?

(a)10　　　　(b)12　　　　(c)14　　　　(d)16

28. The age of the man is 4 times that of his son. five years ago, the man was nine times as old as his son was that time .The present age of the man is ?

(a)28yrs　　　(b)32yrs　　　(c)40yrs　　　(d)23yrs

29.In a group of cows & hens ,the number of legs is 14 more than twice the number of heads. the number of cows is ___

(a)25   (b)7   (c)10   (d)12

30.In an examination, a student attempted 15 questions correctly and secured 40 marks .if there were two types of questions ie of 2 marks & 4 marks,how many questions of 2 marks did he attempt correctly ?

(a)5   (b)12   (c)10   (d)15

31.If ROSE is encoded as 6821,CHAIR is encoded as 73456 and PREACH is encoded as 961473.what will be the code for SEARCH ?

(a)246173   (b)214673   (c)214763   (d)216473

32.If room is called bed, bed is called window ,window is called flower & flower is called cooler on what would a man sleep ?

(a)window   (b)bed (c)flower   (d)cooler

33.A is taller than B but shorter than D.B is shorter than D.C is taller than D but shorter than E.C is taller than A .who is the tallest among the first ?

(a)A   (b)C   (c)D   (d)E

34.A is B's brother ,C is A's mother,D is C's father E is B's son.How is E related to A ?

(a)cousin   (b)nephew   (c)uncle   (d)grandma

35.Pointing to a man Rohith said ,"his son is my sons uncle ".How is the man related to Rohith ?

(a)father   (b)grandfather   (c)uncle   (d)Brother

36.3,7,13,21,31…. ?

(a)33   (b)36   (c)41   (d)43

37.If 3x5x7=15, 2x4x6=12 then find the value of 4x7x9=__

(a)28   (b)21   (c)20   (d)18

38.fish: scales ::   bear:___

(a)feather   (b)leaves   (c)fur   (d)skip

39.Aravind walked 5km toward north from his house and turned right and walked 3km again walked 1km to the south.How far Aravind from his house ?

(a)7km   (b)6km   (c)4km   (d)5km

40. A cube & a sphere have equal surface areas. The ratio of their volume is ?

(a)   (b)   (c)   (d)

41. If + means ÷,-- means x,x means + , ÷ means --,then 90+18-6x30÷4=___

(a)64   (b)65   (c)56   (d)48

42. In a class raja got 11th Rank and was 31 st from the bottom of the list of boys passed 3 boys did not take the examination & one failed. what is the total strength of the class ?

(a)32   (b)42   (c)45   d(46)

43. If 2 A =3B=4C then A:B:C= ?

(a)2:3:4   (b)4:3:2   (c)6:4:3   (d)3:4:6

44. Find the odd one from the given alternatives ?

(a)softball   (b)Baseball   (c)cricket   (d)basketball

45. What is the correct time when the mirror image of the clock reads 7:15 ?

(a)9:20   (b)2.35   (c)4:45   (d)9:25

46. ___ helps to regulate the focal length of our eye lens

(a)Iris   (b)Pupil   (c)Ciliary muscles   (d)cornea

47. G.J Mendel worked on ____

(a)pisum   (b)solanum   (c)lathyrus   (d)Dolichos

48. Name the process by which unsaturated fats are changed into saturated fats ?

(a)Hydrogenation   (b)saponification   (c)esterification   (d)dehydration

49. The meaning of Aquaregia is ?

(a)Pure water   (b)saltwater   (c)Heavywater(d)Royalwater

50. Ovum is Fertilized in ____ ?

(a) Uterus   (b)Fallopian tube   (c)Vajina   (d)Ovary

51. Yest is a ___

(a)Bacteria   (b)Protozoan   (c)fungus   (d)Algae

52.The phenomenon of the scattering of light by the colloidal particle is known as ___ ?

(a)Tyndal effect   (b)Disperssion of light

(c)scattering of light   (d)atmospheric refraction

53.Compounds is having the same Molecular formulas but different structural formula are called

(a)isotopes   (b)allotropes   (c)isobars   (d) none of them

54.The number of pair (s) of sex chromosomes in the zygote of human is ___

(a)one   (b)two   (c)three   (d)four

55.Ozone layer protects us from ?

(a)Cosmic rays   (b)uv   (c)uv-B   (d)Both b&c

56.In which Indian national congress session was the demand of 'purna swaraj' formalised in Dec:1929 ?

(a)Madrass session   (b)Lahore session

(c)calculta session   (d)Nagpur session

57.Which one of the following is the deepest ,land locked & well protected port of India ?

(a)Haldia   (b)Paradip   (c)vishakapattanam   (d)Tuticerin

58.Which one of the following is certification the maintained for standardization of electrical goods ?

(a)ISO   (b)ISI   (c)Hallmark   (d)Agmark

59.Which one of the following is the most popular form of govt in the contemporary world ?

(a)Democracy   (b)dictatorship   (c)monarchy   (d)Militaryrule

60.Which state is the most important producer of Bauxite in india ?

(a)W.bengal   (b)Bihar   (c)Orissa   (d)Kerala

61.Which one of the following is a 'National political party'?

(a)Smajwadi parti   (b)Rashtriya janata Dal

(c)Rashtriya lok dal   (d)Bahujan samaj party

62.Which one of the following laws was enacted by the govt of india in october 2005?

(a)The right to property act   (b)The right to education act

(c)The consumer protection act   (d)The right to information act

63.Which one of the following political parties came to power in Bolivia in 2006 ?

(a)The communist party   (b)The republican party

(c)The socialist party   (d)The conservative party

64.The total length of north south corridor ?

(a)3294km   (b)2900km   (c)3816km   (d)2980km

65.which city is known as Manchester of india ?

(a)Mumbai   (b)Delhi   (c)kolkatha   (d)chennai

66.Ghana National park is situated in Rajastan is also known as ___ ?

(a)Sulthan pur bird sancluary   (b)Bhagalpur Bird sancluary

(c)Ranganathittu   (d)vedanthangal

67.According to 2011 census the sex ratio is highest in ?

(a)Punjab   (b)Tamilnadu   (c)kerala   (d)Manipur

68.Jasmin Revolution of 2011 took place in

(a)Egypt   (b)Tunisia   (c)china   (d)Singapore

69.Who among the following is the recipient of J.C Danial Award in 2015 ?

(a)Adoor Gopalakrishnan   (b)Sasikumar

(c)I.V sasi   (d)Joseprakash

70.Name the first Polio free district in india which is located in kerala ?

(a)Pathanamthitta   (b)Kottayam

(c)Alappuzha   (d)idukki

71.The first English president of Indian national congress ?

(a)A O.Hume (b)AnnieBesant   (c)Robertclive   (d)George Yule

72. Who was known as 'kerala Gandhi' ?

(a) K.Kelappan   (b) K P Kesava menon   (c)Mannath patlmanabhan (d) k.Madhavan nair

73. The oldest mountain range in india ?

(a) vindhya   (b)Aravally   (c)Karakoram (d)Himalaya

74.When vaikam sathyagraha broke out ?

(a)1921   (b)1922   (c)1923   (d)1924

75.Who was the founder of Gadhar party ?

(a)Lalahardayal   (b)Bhath singh

(c)chandrasekar asad   (d)V.D savarkar

76.Rural Employement programme of govt of india is known as _____?

(a)DWCRA   (b)indira Awas Yojana

(c)MGNREGA   (d)SGSY

77.'Merdeka cup' is associated with the game of ___?

(a)Hockey   (b)Football   (c)Golf(d)Badminton

78.Nirbhaya day is observed on ?

(a)Aug 16   (b)Aug26   (c)Dec 16   (d)Dec 26

79.The Border between USA & Canada ?

(a)17th parallel(b)Maginot line   (c)49th parallel(d)segfried line

80.The recently held joint naval exercise between India & Royal navy ?

(a)indra 2015 (b)konkan 2015   (c)Malabar 2015   (d)varuna 2015

81.The total number of writs envisaged in in the constitution are ?

(a)5   (b)6   (c)3   (d)4

82.Which type of clouds are producing Tornadoes ?

(a)cirrostratus (b)Altocumulus   (c)cumulonimbus   (d)cirroculmulus

83.Which of the following is known as 5th estate ?

(a)NGO   (b)Media   (c)Blog   (d)internet

84.The vijaya nagara ruler Krishnadeva Raya's work Amukthamalyada was in which language ?

(a)Telugu   (b)Tamil   (c)Kannada   (d)Malayalam

85.The name of the first talking Robot sent to space ?

(a)TechRobo   (b)Kirobo   (c)Frank   (d)Spacerobo

86.Nalanda was destroyed by the army of ___ in 1193 ?

(a)Baber   (b)Bhaktiyar khilji

(c)Alaudheen khilji   (d)Muhammed Gazam

87.Who won the nobel price for literature in 2015 ?

(a)Patrick Mo diano   (b)Arthus B Mc Donald

(c)Svelana Alexievich   (d)Alice Manro

88. Which river was considered as sacred by the vedic Aryans ?

(a)Ganga   (b)Indus   (c)Yamuna   (d)saraswathi

89. Which atmosphere layer reflects back radio waves transmitted from Earth ?

(a)Troposphere   (b)ironosphere

(c)stratosphere   (d)Mesosphere

90.On which day did Mangalyan reach the mars Orbit ?

(a)2013 Sept-5   (b)2013 nov-5

 (c)2014 nov-24   (d)2014 sept -24

91.Who was the chief organizer of young Bengal movement ?

(a)Henry Vivian Derzio   (b)Chandrisekhar Azad

(c)Lala Hardryal   (d)N.M Joshi

92. Who was known as the father of Indian family planning ?

(a)M.visweshwarya   (b)R.D Karve

(c)James willsom   (d)A.o Hume

93. The article in the constitution which prohibits intoxicating drinks and drugs ?

(a)54A   (b)45   (c)47A   (d)74A

94. Year on which Delhi became the capital of India ?

(a)1905　　　　　　(b)1911　　　　　　(c)1910　　　　　　(d)1912

95. Which among the following scheme targets 'poorest' of the poor?

(a) IAY　　　　　　(b) MGNREGA　　　(c) NRLM　　　　　(d) AAY

96. The protocol used for internet is ___?

(a) W3C　　　　　　(b) TCP/IP　　　　　(c) HTTP　　　　　(d) None of these

97. The process of transferring files from server to client is called

(a) Downloading　　(b) Uploading　　　(c) Browsing　　　(d) Sorting

98. A ___ is a collection of messages normally text posted by individual to a news server.

(a) Newsgroup　　　(b) E-mail　　　　　(c) Chat　　　　　(d) Newsreader

99. To see what a printed page looks like before printing, the option has to be used ___

(a) Print and check　　　　　　　(b) Print preview

(c) Preview before print　　　　　(d) Print over view

100. ODB stands for

(a) Open office database　　　　　(b) Open Document Database

(c) Open Data Base　　　　　　　(d) None of these

ANSWER KEY

Class 10

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