

Set-B (Laboratory Scientific Officer) 28 Feb 2021

- 1) What is the full form of AD, used with dates?
A. Anno Domini B. Assistant Director
C. Acknowledgement Due D. After Date
- 2) Which of the following planets of our solar system has least mass?
A. Neptune B. Jupiter
C. Mars D. Mercury
- 3) Ozone gas is present in which layer of atmosphere?
A. Stratosphere B. Troposphere
C. Ionosphere D. Mesosphere
- 4) Who built the Khajuraho temples ?
A. Holkars B. Scindias
C. Bundela D. Chandela
- 5) At which the following places is the famous Kailasha Temple located?
A. Ajanta B. Badami
C. Chittor D. Ellora
- 6) Which of the following is NOT a Union Territory?
A. Goa B. Lakshadweep
C. Dadar and Nagar Haveli D. Chandigarh
- 7) How many spokes are there in the Dharma Chakra (Ashok Chakra) depicted on the National Flag of India?
A. 16 B. 20
C. 24 D. 32
- 8) The headquarter of RBI is situated at:
A. Delhi B. Kolkata

C. Chennai

D. Mumbai

9) Thar Desert is situated in -

A. Rajasthan

B. West Bengal

C. Tamilnadu

D. Uttarakhand

10) Which of the following is the highest mountain peak in Maharashtra ?

A. Taramati

B. Anjaneri

C. Salher

D. Kalsubai

11) National Rural Health Mission (NRHM) was launched in the year:

A. 2003

B. 2004

C. 2005

D. 2006

12) Who was called the 'Iron Man of India'?

A. Sardar Ballabhbhai Patel

B. Surendranath Bannerjee

C. Bipin Chandra Pal

D. Lala Lajpat Rai

13) Which sea is to the west of Maharashtra?

A. Black

B. Arabian

C. Labrador

D. Timor

14) Marathi Language Day is Celebrated on

A. 15th February

B. 7th February

C. 20th February

D. 27th February

15) The river Koyna joins the river Krishna at

A. Satara

B. Karad

C. Kolhapur

D. Mahabaleshwar

16) A bag contains 7 blue balls and 5 yellow balls. If two balls are selected at random, what is the probability that none is yellow?

- A. 5/33 B. 5/22
C. 7/22 D. 7/33

17) Damodar is 26 years older than his son. In four years, his age will be twice the age of his son. The present age of his son is:

- A. 16 years B. 18 years
C. 20 years D. 22 years

18) Introducing a girl, Niraj said, 'Her mother is the only daughter of my mother-in-law'. How is Niraj related to the girl?

- A. Husband B. Brother
C. Father D. Uncle

19) Covid-19 is caused by

- A. Bacteria B. Parasite
C. Virus D. Fungus

20) Madhuri, who is facing South turns to her left and walks 15 metres, then she turns to her left and walks 7 metres, then facing west she walks 15 metres. How far is she from her original position?

- A. 7 m B. 10 m
C. 5 m D. 8 m

21) If Sunday falls on 30th April, what day would be on 31st May?

- A. Saturday B. Sunday
C. Monday D. Wednesday

22)

6	6	8
5	7	5
4	3	?

120	126	320
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- A. 12 B. 8 C. 14 D. 16

23) Deepak has some hens and some goats. If the total number of animal heads is 90 and the total number of animal feet is 248, what is the total number of goats Deepak has?

- A. 32 B. 36
C. 34 D. Cannot be determined

24) In class the average age of 75 students is 7 years. If along with the class teacher, the average is 7.5 years. What is the age of teacher age?

- A. 37.5 years B. 45 years
C. 42 years D. 39 years

25) In a factory of 140 machine parts, 5 percent were defective. In a factory of 80 machine parts, 10 percent were defective. For the two factory combined, what percent of the machine parts were defective?

- A. 6.50% B. 7%
C. 7.50% D. 8%

26) The correct sequence of communication is

- A. Message Sender Receiver B. Message Receiver Sender
C. Sender Message Receiver D. Receiver Sender Message

27) AB, DE, GH,?, MN

- A. IJ B. HI
C. JK D. None

28) Pick the odd one

- A. Bengali B. Marathi
C. English D. Kannad

29) In a row of trees, one tree is seventh from either end of the row. How many trees are there in the row?

- A. 8 B. 13
C. 14 D. 11

30) In a class of 45 students, a boy is ranked 20th. When two boys joined, his rank was dropped by one. What is his new rank from the end?

- A. 25th B. 26th
C. 27th D. 28th

31) अशुद्ध शब्द ओळखा

- A. तथापि B. परंतु
C. आणि D. यापैकी नाही

32) 'दुभत्या गाईच्या लाथा गोडा या म्हणीचा अर्थ खालीलपैकी कोणता?

- A. दुभत्या गाईची लाथ लागत नाही. B. फायदयासाठी अपमान सहन करणे.
C. अडथळे आले तरी प्रयत्न करावा. D. दुभत्या गाईच्या लाथा खाणे.

33) 'अर्थ नसणे या अर्थाचा योग्य वाकप्रचार कोणता?

- A. गाशा गुंडाळणे B. फुगडी घालणे
C. वा-यावर सोडणे D. रामनसणे

34) 'कृपण या शब्दाच्या विरुद्धार्थी शब्द ओळखा

- A. उदार B. कृतघ्न
C. गरीब D. अपूर्व

35) गटात न बसणारा शब्द ओळखा?

- A. सूत B. भ्राता
C. बंधू D. भाऊ

36) रामबाण

- A. अचूक गुणकारी
C. थोर पुरुष
- B. रामाचा बाण
D. राजा

37) दिलेल्या शब्दाचा समानार्थी नसलेला शब्द ओळखा.

निखिल

- A. सर्व
C. पूर्ण
- B. निर्भीड
D. सगळा

38) अधोरेखित शब्दांच्या विभक्तीचा अर्थ ओळखा.

तो घरातून बाहेर पडला.

- A. कर्ता
C. अपादान
- B. कर्म
D. संप्रदान

39) 'सूर्य मावळत आहे' - पूर्ण भविष्यकाळ करा.

- A. सूर्य मावळेल.
C. सूर्य मावळलेला असेल
- B. सूर्य मावळत असेल.
D. सूर्य मावळला.

40) 'अमुक झाले तर अमुक होईल' असे काल्पनिक

विधान करावयाचे असेल तर भूतकाळी आणि भविष्यकाळी कोणत्या अर्थाच्या क्रियापदाची योजना करावी लागते?

- A. आज्ञार्थी
C. प्रश्नार्थक
- B. संकेतार्थी
D. यांपैकी नाही

41) तो पेरुचे फळ सावकाश खात आहे, या

वाक्यातील क्रियाविशेषणकोणते?

- A. पेरुचे फळ
C. सावकाश
- B. फळ
D. खात आहे

42) अधोरेखित शब्दाचा प्रकार ओळखा. तू पण

माझ्याबरोबर प्रार्थना म्हण.

- A. उभयान्वयी अव्यय
C. क्रियाविशेषण
- B. शब्दयोगी अव्यय
D. केवलप्रयोगी अव्यय

43) कर्ता - कर्म - क्रियापद यांच्या परस्परसंबंधांना म्हणतात.

- A. वाक्य B. शब्दसमूह
C. कर्तरी प्रयोग D. प्रयोग

44) सावळाच रंग तुझा पावसाळी नभापरी ! (अलंकार ओळखा)

- A. श्लेष अलंकार B. यमक अलंकार
C. अतिशयोक्ती अलंकार D. उपमाअलंकार

45) लहानपण देगा देवा | मुंगी साखरेचा रवा |
ऐरावत रत्न थोर त्यासी अंकुशाचा मार||
वरील कडव्यातील अलंकार ओळखा.

- A. यमक अलंकार B. अनुप्रास अलंकार
C. रूपक अलंकार D. दृष्टांत अलंकार

46) "I'm sure I've met your father.

- A. Verb B. Preposition
C. Pronoun D. Interjection

47) Make the adjective of the word 'occasion.'

- A. occasioned B. accusational
C. occasional D. occasionally

48) Choose the correct conjunction: She bought a car, she was too young to learn to drive.

- A. if B. because
C. although D. if not

49) I will sing if he

- A. will ask me B. asks me

C. asked me

D. has asked me

50) He said, "Please help me."

Choose the option with the correct indirect form of the above.

A. He pleased me to help me.

B. He requested me to help him.

C. He ordered me about helping.

D. He said I need help

51) Choose appropriate antonym for the word "Gloomy"

A. Idle

B. Wise

C. Cheerful

D. Sad

52) Choose the correct answer from the following and fill in the blank:

A doctor who studies and treats mental illness.....

A. psychiatrist

B. psychologist

C. psychoanalyst

D. psychiatry

53) Give the meaning of 'To call it a day'.

A. To have a good day.

B. To work all the day.

C. To have a free day.

D. To stop doing work of the day.

54) Choose the correct meaning of the given phrase or idiom: Look into

A. to examine thoroughly

B. to watch

C. to observe

D. to follow

55) Which of the following word is correctly spelt?

A. administration

B. conversation

C. creature

D. develop

56) Meaning of "Fly by night"

A. Night journey

B. A Bird busy in night

C. Cat's eye

D. Swindler

57) I left the apartment all day yesterday.

A. Clear

B. Washed out

C. Cleaned Up

D. None of these

58) Choose the word spelt correctly.

A. Substantial

B. Substantial

C. Substantial

D. Substantial

59) He competedme for the prize.

A. Off

B. With

C. To

D. Of

60) He.....a very good grade in the examination.

A. Earned

B. Given

C. Received

D. None of these

61) Which needle gauge corresponds with the smallest needle size:

A.18

B. 20

C.21

D.22

62) All of the following are "Anti- coagulants"

EXCEPT

A.Sodium Citrate

B. EDTA

C.Sodium Fluoride

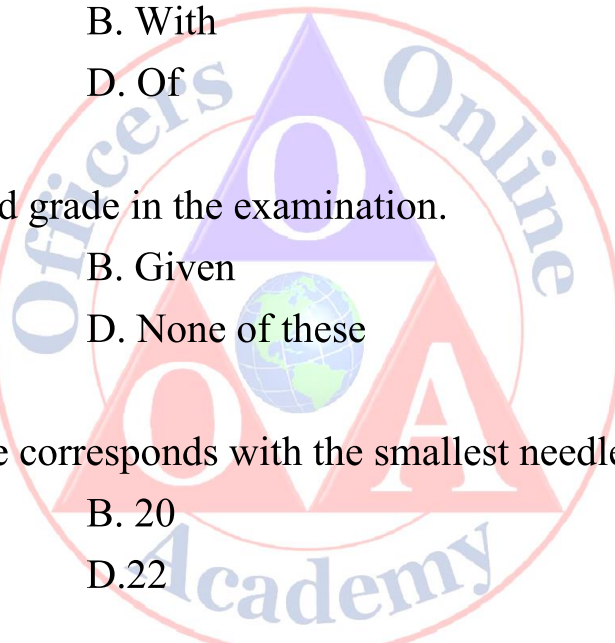
D. Potassium Oxalate

63) In ELISA, one of the detector enzymes commonly used is Alkaline Phosphatase because

A.It is easy to isolate from its source.

B. It is very stable.

C.Its catalytic activity is very high.



D. Its use is very simple.

64) A vacutainer with "Gray" cap is used for blood collection for estimation of

- A. A blood sugar level. B. blood gas analysis.
C. serum electrolyte analysis. D. serum Alanine Transaminase activity.

65) What is the reference range of serum potassium?

- A. 130 to 140 mEq/L. B. 15 to 40 mg/dl.
C. 3.5 to 5 mmol/L D. 60 to 80 IU.

66) Lipid Profile includes all of the following

EXCEPT

- A. Total cholesterol. B. LDL.
C. HDL D. LDH

67) GOD - POD or Folin and Wu method is used for estimation of

- A. serum Amylase activity. B. serum Albumin concentration.
C. blood glucose concentration. D. serum Urea concentration.

68) Diabetes Mellitus is caused by absolute or relative deficiency of

- A. Insulin B. Glucagon
C. Cortisol D. Aldosterone

69) Foetal Haemoglobin contains

- A. Two Alfa and two Beta chains ($\alpha_2\beta_2$).
B. Two Alfa and two Delta chains ($\alpha_2\delta_2$).
C. Two Alfa and two Gamma chains ($\alpha_2\gamma_2$). D. Four Epsilon chains (E₄)

70) Uric Acid is the End Product of

- A. Carbohydrate Metabolism. B. Lipid Metabolism.
C. Mineral Metabolism. D. Purine Metabolism.

71) The destruction of all micro-organisms including spores is called:

- A. Sanitation
- B. Antisepsis
- C. Sterilization
- D. Disinfection

72) Cells in a hypertonic solution will:

- A. Swell and burst
- B. Dehydrate
- C. Hemolyze
- D. No change

73) One of the following is ketose sugar

- A. Glucose
- B. Galactose
- C. Ribose
- D. Fructose

74) Among the following, an essential amino acid is

- A. Phenylalanine
- B. Tyrosine
- C. Proline
- D. Hydroxyproline

75) Elevated plasma level of the which of the following protects against atherosclerosis? A. Chylomicron B. VLDL

- C. HDL
- D. LDL

76) Which of the following is not a polyunsaturated fatty acid?

- A. Linoleic acid
- B. Palmitoleic acid
- C. Linolenic acid
- D. Arachidonic acid

77) Creatine kinase is found in

- A. Myocardium
- B. Brain
- C. Muscles
- D. All of the above

78) Normal range of serum albumin (in gm/dl) is

- A. 2.0-3.6
- B. 1.5-5.0
- C. 3.5-5.5
- D. 6.5-8.5

79) Sterilization condition required for Autoclaving

- A. 121°C and 15 lbs pressure for 20 minutes B. 100°C and 15 lbs pressure for 20 minutes C. 121°C and 45 lbs pressure for 20 minutes D. 131°C for 2 hours

80) Which of the following is acid fast

- A. Mycobacterium tuberculosis B. Nocardia
C. M. leprae D. All of the above

81) Concentration of Hypochlorite solution used in Laboratory is

- A. 10% B. 8%
C. 1% D. 0.1%

82) Full Form of PCR is

- A. Polymerase Chain Reaction B. Polypeptide Continuous Reaction
C. Poly Chemical Reaction D. Pure Chain Reaction

83) Tri Dot test is used for diagnosis of

- A. HBV infection B. Poliomyelitis infection
C. HIV infection D. Dengue infection

84) The ketone bodies include acetoacetic acid, acetone, and

- A. Lactic acid B. Beta-hydroxy butyric acid
C. Oxaloacetic acid D. Acetic acid

85) A biopsy is:

- A. removal of biological fluid B. The removal of an organ
C. A post mortem examination D. Excision of a representative tissue sample

86) The liquid portion of blood remaining after a clot has formed is called:

- A. The buffy coat B. Serum
C. Plasma D. Lymph

87) "Chinese letter" arrangement seen with:

- A. Cl. Tetanus
- B. Cl. Perfringens
- C. Bacillus anthracis
- D. Corynebacterium diphtheria

88) "Drumstick" appearance is characteristic feature of the following Clostridium

- A. Oedematiens
- B. Septicum
- C. Tetani
- D. Welchii

89) Serum Sodium and Potassium levels are estimated by using

- A. Flame Photometer.
- B. Colorimeter
- C. pH meter
- D. ELISA Reader

90) Hormones are

- A. chemical messengers secreted in synapses.
- B. chemical messengers secreted in blood.
- C. chemical messengers secreted in intestine.
- D. chemical messengers secreted in bile.

91) Haem degradation leads to formation of

- A. Taurocholic acid.
- B. Chenodeoxycholic acid.
- C. Bilirubin.
- D. Cystatin C

92) The preferred renal function test is

- A. Blood Urea level.
- B. Serum Creatinine level.
- C. Serum Uric Acid level.
- D. Urine Specific Gravity.

93) Blood for an RBC count must be prepared from:

- A. EDTA Blood
- B. Citrate blood
- C. Heparinized blood
- D. Oxalated blood

94) Which piece of histology equipment is not temperature dependant:

- A. Was
C. Microtome
- B. Tissue processor
D. Embedding center

95) Which test cannot be performed on a serum sample?

- A. Iron
C. Total lipids.
- B. Vitamin B12
D. Plotting factors

96) During blood donation, the removal of blood components is called :

- A. Cytophresis
C. Aphresis
- B. Plasmaphresis
D. Leakophresis

97) The normal platelet count is adult is:

- A. 100,000 to 300,000 mm³
C. 150,000 450,000 mm³
- B. 150,000 to 250,000 mm³
D. 200,000 300,000 mm³

98) One unit of fresh blood arises the Hb%
concentration by :

- A. 0.1 gm%
C. 2 gm%
- B. 1 gm%
D. 2.2 gm%

99) Size of red blood cell is :

- A. 10 micro meter
C. 8 micro meter
- B. 7 micro meter
D. 2 micro meter

100) The disease cannot be transmitted through transfusion of blood is:

- A. Hepatitis B
C. Cancer
- B. AIDS
D. Malaria

ANSWER -

1	A	21	D	41	C	61	D	81	C
2	D	22	B	42	A	62	C	82	A

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

