SLS

**SCHOOL OF
LIBERAL
STUDIES**

FIND THE RIGHT PLACE AND THE RIGHT PEOPLE AT THE RIGHT TIME

**NAAC
A++
ACCREDITED
CGPA 3.52 /4.0**

PDEU

**PANDIT
DEENDAYAL
ENERGY
UNIVERSITY**

Formerly Pandit Deendayal Petroleum University (PDPU)

This paper carries 4 sections

The number of questions in each section are:

SECTION – 1	GENERAL AWARENESS	40 QUESTIONS
SECTION – 2	VERBAL ABILITY	20 QUESTIONS
SECTION – 3	QUANTITATIVE ABILITY	20 QUESTIONS
SECTION – 4	LOGICAL REASONING	20 QUESTIONS

TIME: 90 MINUTES

(No Negative Marking)

SECTION 1
GENERAL AWARENESS

1. The Companies Act 2013 empowers the Central Government to prescribe the maximum number of partners in a firm but the number of partners cannot be more than

   A. 25
   B. 50
   C. 200
   D. None of the above

2. The FM (frequency-modulated) radio band extends from

   A. 88 GHz to 108 GHz
   B. 54 GHz to 890 GHz
   C. 88 MHz to 108 MHz
   D. 54 MHz to 890 MHz

3. Who proposed the 'Double Helical structure of DNA'?

   A. Karl Ereky
   B. Watson and Crick
   C. Hamilton O. Smith and Thomas J. Kelly
   D. None of the above

4. PRODUCT – SOURCE: Which is correctly matched?

   A. Biodiesel - Vegetable oils
   B. Bioalcohol – Molasses
   C. Biogas - Organic industrial waste
   D. All the above

5. Sobig, MSBlast, Code Red, Nimda are

   A. Computer Virus
   B. Trojan
   C. Computer Worms
   D. None of the above

6. Which vitamin is necessary for the maintenance of healthy epithelium, normal vision (deficiency of this is the most common cause of childhood blindness), growth and immunity?

   A. Vitamin A
   B. Vitamin D
   C. Vitamin E
   D. Vitamin K

7. Which of the Acts/Legislationsare related and available to do business in India?

1) Competition Act   2) Consumer Protection Act

3) Factories Act   4) Workmen's Compensation Act

    A. 3 Only
    B. 34 Only
    C. 234 Only
    D. 1234

8. Which of the following factors affect dividend decisions?

1) Amount of earnings   2) Cash flow position

3) Shareholders' preference   4) Taxation policy

    A. 2 Only
    B. 12 Only
    C. 123 Only
    D. 1234

9. The 2024 general elections are to elect members for the

    A. 16th Lok Sabha
    B. 17th Lok Sabha
    C. 18th Lok Sabha
    D. 19th Lok Sabha

10. Which is the first private spacecraft to take humans to the space station?

    A. Soyuz
    B. SpaceX Dragon
    C. Shenzhou
    D. Boeing Starliner

11. Shaksgam valley is part of

    A. Arunachal Pradesh
    B. Ladakh
    C. Rajasthan
    D. Tamilnadu

12. World Earth Day, also known as International Mother Earth Day, is celebrated annually on

    A. March 28
    B. April 9
    C. April 22
    D. July 9

13. Shri Tejas Madhusudan has been awarded the Padma Bhushan award for 2024 in the field of

A. Art
B. Medicine
C. Public Affairs
D. Trade and Industry

14. Where is the largest global semiconductor technology design centre located?

A. Sanand
B. Morigaon
C. Dholera
D. Bengaluru

15. To evacuate Indians from Israel, India conducted

A. Operation Devi Shakti
B. Operation Ganga
C. Operation Kaveri
D. None of the above

16. The birds, Great Indian Bustard (GIB), are mainly found in

A. Gujarat Only
B. West Bengal Only
C. Odisha and West Bengal
D. Rajasthan and Gujarat

17. El Niño is

A. Climate phenomenon
B. Computer virus
C. New earth-sized planet
D. Virus Disease

18. Lakshadweep's capital is

A. Agatti
B. Kavaratti
C. Minicoy
D. Port Blair

19. Subsidies granted by the government are part of

A. Revenue Receipts
B. Revenue Expenditure
C. Capital Receipts
D. Capital Expenditure

20. The market value of all final goods and services produced within a domestic territory of a country measured in a year is called as

A. Net Domestic Product
B. National Income
C. National Disposable Income
D. Gross Domestic Product

21. At independence the entire North East region comprised the State of Assam except

A. Manipur
B. Tripura
C. Manipur and Tripura
D. Manipur, Meghalaya and Tripura

22. India has conducted nuclear test/s in

A. 1974
B. 1998
C. 1974 and 1998
D. 1964 and 1996

23. 'Sanskritisation' is the term contributed by

A. Beteille
B. A. Appadurai
C. G. S. Ghurye
D. M.N. Srinivas

24. Gordon Allport categorised traits (which describe a person) into

A. Cardinal, Central, and Secondary
B. Central and Secondary
C. Cardinal and Secondary
D. Cardinal and Central

25. The season largely coincides with Southwest Monsoon

A. Kharif
B. Rabi
C. Zaid
D. None of the above

26. Dhuandhar waterfall is in

A. Godavari River
B. Kaveri River
C. Mahanadi River
D. Narmada River

27. Marusthali and Kachchh regions of Gujarat fall

    A. Landslide vulnerability zones
    B. Extreme drought-affected areas
    C. Storm surge affected areas
    D. None of the above

28. In fundamental duties, Article 51A (e) is about

    A. Preserving our composite culture
    B. Promotion of harmony
    C. Protect unity and integrity of India
    D. Safeguarding public property

29. Which year did the Indian Constitution come into force?

    A. 1950
    B. 1951
    C. 1952
    D. 1953

30. Which is the longest river in the world?

    A. Nile River
    B. Amazon River
    C. Yangtze River
    D. Mississippi River

31. EbrahimRaisi, who recently passed away in helicopter crash, was the President of which country?

    A. Vietnam
    B. Egypt
    C. Iraq
    D. Iran

32. With which sports is Manika Batra (who was recently in news) associated?

    A. Table Tennis
    B. Badminton
    C. Football
    D. Chess

33. **Which institution developed the 'Zorawar Light Tank'?**

    A. ISRO
    B. DRDO
    C. BEL
    D. BHEL

34. **What is the Free Movement Regime between India and Myanmar that was recently making news?**

    A. A trade agreement between the two countries
    B. A pact allowing visa-free movement across the border
    C. A cultural exchange program
    D. A mechanism for voluntary repatriation of refugees

35. **Which among the following fundamental rights is available to Indian Citizens but not to aliens?**

    A. Freedom of expression and speech
    B. Equality before Law
    C. Protection of life & liberty
    D. None of the above

36. **The earthquake waves are recorded by an instrument called**

    A. Seismograph
    B. Richter scale
    C. Speedometer
    D. Odometer

37. **Who started the magazine 'Kesari'?**

    A. LalaLajpat Rai
    B. Bal GangadharTilak
    C. DadabhaiNaoroji
    D. Bipin Chandra Pal

38. **Which among the following is an example of a Chemical Change?**

    A. Rusting of iron
    B. Magnetisation of iron
    C. Melting of iron
    D. Heating of iron

39. **Which of the following vitamins help in the absorption of calcium?**

     A. Vitamin A
     B. Vitamin B
     C. Vitamin C
     D. Vitamin D

40. **What is the Acronym of UNICEF ?**

     A. The United Nations Children's Fund
     B. The United National Charitable Fund
     C. The Union Nation Children's fund
     D. The Union National Charitable Fund

SECTION 2

VERBAL ABILITY

Passage 1

Sustainable fashion is a way in which brands create clothing that not only reduces the impact on the environment but is also mindful of the people who work to produce the garments.

Put simply, it is fashion that is ethically made and environmentally friendly.

All this sounds simple, however, being sustainable means more overheads, which in turn reduces profit margins.

For the industry to become sustainable as a whole, consumers must be willing to pay more to help make the change, or at the very least, stop buying from brands that have no regard for the environment.

Apparel brands can break their sustainable practices down into four areas.

Ethical Fashion covers production, working conditions and Fair Trade practices. Ethical fashion is a moralistic stance a company takes to ensure no human beings or animals are hurt due to their manufacturing practices.

Circular Fashion is an off-shoot of the circular economy, and advocates that all materials and products in society are used and circulated among people for as long as possible, in an environmentally safe, effective and fair manner. This encompasses things like recycling, upcycling, and thrifting.

Slow Fashion is the antithesis of Fast Fashion, taking a long-term view and considering the whole product lifecycle. This includes sharing or renting clothes as well as the quality of garments to help them last longer and thus reduce the need to buy new ones.

Conscious Fashion is more of a message to get across to consumers, explaining and encouraging them to buy eco-friendly products and get behind the green fashion movement.

The fashion industry is incredibly harmful to the planet. Second only to oil, the industry is one of the world's largest polluters, responsible for 20% of global industrial water pollution.

It comes as a surprise to many that most clothes are actually made out of plastic, creating a microplastic disaster in the making.

Add to that the thousands of harmful chemicals used in the textile mills around the world, which are dangerous to both the environment and the people working with them, and the time has come for a global change in the industry.

That change must come in the form of sustainable fashion.

Source: https://immago.com/sustainable-fashion-important/

41. Why sustainable fashion is important?

    A. It uses microplasticfibers
    B. It sustains fashion
    C. It upgrades carbon emission
    D. It moderates environmental impact

42. Which of the following is an ethical practice for sustainable fashion?

    A. Vegan fashion
    B. Fast fashion
    C. Slow fashion
    D. Artisan fashion

43. Which word in the paragraph has similar meaning to 'economical'?

    A. Upcycle
    B. Thrift
    C. Recycle
    D. Eco-friendly

44. What does 'circular economy' mean?

    A. An economic system based on use of materials in a sustainable way
    B. An economic system based on sustainable environment for the use of materials
    C. An economic system based on the reuse of materials in a sustainable way
    D. An economic system based on circular fashion for the use of environment

45. Which of the following is an important part of sustainable fashion practices?

    A. Fair trade
    B. Fast trade
    C. Slow trade
    D. Industry trade

46. Which of the following is NOT part of the idea of sustainability?

    A. That we become part of green movement
    B. That we live for global change in the industry
    C. That we become better than oil industry
    D. That we get the maximum out of planet's resources

47. Find out from the following a word that is opposite in meaning to the word 'offshoot'

    A. Spin-off
    B. Derivative
    C. Antecedent
    D. By-product

48. The word 'ethical' is used in the passage. What does it mean?

    A. Trader
    B. Moral
    C. Fashionable
    D. Nefarious

49. In which way can one reduce clothing footprint?

    A. By purchasing global brand apparels
    B. By using clothes made from post-consumer alternatives
    C. By washing them regularly
    D. By discarding the old garments

50. Find out from the following a word that is similar in meaning to the word 'encompass'.

    A. Include
    B. Compassionate
    C. Fair
    D. Exclude

Passage 2

'Once upon a time …'
Immediately you read that opening phrase, you know you're going to encounter a setting, and in that place a series of events will occur – almost certainly to an individual. In basic terms that's about it – the very best definition of a story: 'Once upon a time, in such and such a place, something happened.' There are far more complex explanations of course, most of which we will touch on, but none that is so simple yet all encompassing.

What an archetypal story does is introduce you to a central character – the protagonist – and invite you to identify with them; effectively they become your avatar in the drama. You live the experience of the story vicariously through them: when they're in jeopardy, you're in jeopardy; when they're ecstatic, you are too. Watch children as they view Transformers or Hannah Montana – it's extraordinary to see the process by which their feelings are sublimated and they become inextricably linked with the fortunes of their fictional counterparts.

So you have a central character, you empathize with them, and something then happens to them, and that something is the genesis of the story. Jack discovers a beanstalk; Bond learns Blofeld plans to take over the world. The 'something' is almost always a problem, sometimes a problem disguised as an opportunity. It's usually something that throws your protagonist's world out of kilter – an explosion of sorts in the normal steady pace of their lives: Alice falls down a rabbit hole; Jack Bauer learns of a terrorist plot; Godot doesn't turn up.

Your character has a problem which they must solve: Alice has to get back to the real world; Jack has 24 hours to find his wife and daughter; Vladimir and Estragon have to wait. The story is the journey they go on to sort out the problem presented. On the way they may learn something new about themselves; they'll certainly be faced with a series of obstacles they have to overcome; there will likely be a moment near the end where all hope seems lost, and this will almost certainly be followed by a last-minute resurrection of hope, a final battle against the odds, and victory snatched from the jaws of defeat.

You'll see this shape (or its tragic counterpart) working at some level in every story. It might be big and pronounced as in Alien or Jaws, it might be subtler as in Ordinary People, or it might represent a reaction against it (Jean-Luc Godard's Weekend) – but it will be there, just as it is in the work of Del Toro, Kaufman and Hare. It reveals itself most clearly in the framework of the classic crime or hospital drama. A murder is committed or someone gets sick; the detective or doctor must find the killer or make their patient well. Such tales are literature's heroin – storytelling with all impurities removed; a hit of pleasure; minimum effort for maximum reward. That's why detective fiction is so popular; the unifying factors that appear at some level in all stories are at their most accessible here.

But if the problem and the search for its answer provide the framework for stories, what elements are they actually built from?

-   *Into the Woods. A five-act journey into story* by John Yorke

51. What is this passage about?

   A. Different story beginning
   B. The shape of a story
   C. Different story ending
   D. Detective fiction

52. What does an archetypal story generally do to its readers?

   A. It creates an avatar
   B. It defines the central character
   C. It distances from the protagonist
   D. It allows you to experience the story through characters

53. Find out from the following a word that is similar in meaning to the word 'obstacle'.

   A. Obstruction
   B. Obscene
   C. Spectacle
   D. Oracle

54. What does the word Genesis mean?

   A. General
   B. Nemesis
   C. Origin
   D. Gene

55. What does 'living vicariously' refer to in this passage?

   A. Experience jeopardy
   B. Experience story indirectly
   C. Experience ecstasy
   D. Experience story negatively

56. What does 'literature's heroin' mean in this passage?

   A. Fairy tale
   B. Crime fiction
   C. Romance fiction
   D. Transformers

57. What does the phrase 'out of kilter' mean?

   A. Out of order
   B. Out of explosion
   C. Out of character
   D. Out of something

58. **What does 'resurrection of hope' refer to?**

   A. Hope for living
   B. Death of hope
   C. Hope regained
   D. Hope of resurrection

59. **According to the passage, a "setting" is**

   A. An arrangement
   B. A relationship
   C. A place
   D. A plot

60. **We become inseparably connected to fictional characters because of –**

   A. Fear
   B. Empathy
   C. Excitement
   D. Problems

SECTION 3
QUANTITATIVE ABILITY

61. $899 \div 44.8 \times 4.05 \times 69.8 = ?$

    A. 6300
    B. 5000
    C. 5600
    D. 5800

62. 47.87% of $350 + 60.11\%$ of $280 = 96.98\%$ of $299.78 + ?\%$ of 150

    A. 30
    B. 40
    C. 50
    D. 80

63. 59.77% of $880 + 79.9\%$ of $591 = ?$

    A. 1000
    B. 950
    C. 1100
    D. 1050

64. Anil buys 12 toys and labels each with the same selling price. He sells 8 toys initially at 20% discount on the labeled price. Then he sells the remaining 4 toys at an additional 25% discount on the discounted price. Thus, he gets a total of Rs 2112, and makes a 10% profit. With no discounts, his percentage of profit would have been?

    A: 1.50
    B: 2.55
    C: 3.60
    D: 4.54

65. In a car race, car A beats car B by 45 km, car B beats car C by 50 km and (in km) over which the race has been conducted is:

    A: 475
    B: 500
    C: 450
    D: 550

66. In how many ways can a pair of integers (x , a) be chosen such that

    $x2 - 2\,|\,x\,|\,+\,|\,a - 2\,|\,= 0$?

    A: 1.5
    B: 2.4
    C: 3.7
    D: 4.6

67. The number of integers that satisfy the equality $(x^2 – 5x + 7)^{x+1} = 1$ is:

A: 3
B: 5
C: 4
D: 2

68. In a group of 10 students, the mean of the lowest 9 scores is 42 while the mean of the highest 9 scores is 47. For the entire group of 10 students, the maximum possible mean exceeds the minimum possible mean by:

A: 1.5
B: 2.4
C: 3.6
D: 4.3

69. Two circular tracks T1 and T2 of radii 100 m and 20 m, respectively touch at a point A. Starting from A at the same time, Ram and Rahim are walking on track T1 and track T2 at speeds 15 km/hr and 5 km/hr respectively. The number of full rounds that Ram will make before he meets Rahim again for the first time is:

A: 1.2
B: 2.4
C: 3.5
D: 4.3

70. Aron bought some pencils and sharpeners. Spending the same amount of money as Aron, Aditya bought twice as many pencils and 10 less sharpeners. If the cost of one sharpener is ₹ 2 more than the cost of a pencil, then the minimum possible number of pencils bought by Aron and Aditya together is:

A: 1.30
B: 2.33
C: 3.27
D: 4.36

71. Train fare between Nagpur and Nasik for one adult is three times the train fare for one child. If adult's train fare is Rs. 102, how much amount will be paid by 3 adults and 4 children together for travelling the same distance?

A. Rs. 432
B. Rs. 442
C. Rs. 612
D. Rs. 532

72. A number consists of two digits whose sum is 8. If 8 is subtracted from the number, the digits interchange their places. What is the number?

   A. 53
   B. 54
   C. 45
   D. 35

73. Find the simple interest on 5200 Rs. For 2 years at 6% Per annum.

   A. Rs. 550
   B. Rs. 624
   C. Rs. 656
   D. Rs. 496

74. A dealer marks his goods 25% above the cost price and gives discount of 8 %. Find the profit percentage.

   A. 15
   B. 16
   C. 18
   D. 20

75. If A and B can complete a piece of work in 15 days and B alone in 20 days. In how many days can A alone complete the work?

   A. 60
   B. 40
   C. 45
   D. 55

76. Find the reminder when 73*75*78*57*197*37 divided by 34.

   A. 30
   B. 32
   C. 45
   D. 44

77. Find odd one out 3, 5, 11, 14, 17, 21

   A. 21
   B. 17
   C. 14
   D. 3

78. In the first 10 overs of a cricket game, the run rate was 3.2 only. What should be the run rate in the remaining 40 overs to reach the target of 282 runs?

   A. 6.25
   B. 6.5
   C. 5.65
   D. 7

79. The average of 20 numbers is zero. Of them, at the most, how many may be greater than zero?

   A. 15
   B. 18
   C. 19
   D. 16

80. 8 17 42 91 ....?

   A. 170
   B. 142
   C. 140
   D. 172

SECTION 4
LOGICAL REASONING

81. Complete the series: 1, 4, 8, 13…

    A. 19
    B. 22
    C. 18
    D. 20

82. Complete the series: 0, 1, 3, 6,…

    A. 10
    B. 8
    C. 15
    D. 12

Direction- Question NO. 83- 85; Two objects, events or concepts are related in some way. You have to establish the same relationship with the other two objects, events or concepts on the basis of the alternatives given below each question.

83. Human behavior:: Psychology, Plant:?

    A. Botany
    B. Biology
    C. Garden
    D. Ocean

84. Ocean: Water::Desert:?

    A. Sand
    B. Sun
    C. Cactus
    D. Tree

85. Bird: Nest:: Spider:?

    A. Cocoon
    B. Web
    C. Hive
    D. Tree

86. In a class of 30 students, Ravi ranks 8th from the top. What is his rank from the bottom?

    A. 8th
    B. 22nd
    C. 23rd
    D. 30th

87. **If Rishabh ranks 7th from the top and 9th from the bottom in a competition, how many participants are there?**

    A. 16
    B. 15
    C. 14
    D. 17

88. **Which word does NOT belong to others?**

    A. King
    B. Checkmate
    C. Knight
    D. Prince

89. **Which word does NOT belong to others?**

    A. Guitar
    B. Mouth Organ
    C. Flute
    D. Saxophone

90. **Sum of the ages of 5 children born at the interval of 4 years each is 60 years. What is the age of the eldest child?**

    A. 18
    B. 12
    C. 15
    D. 20

91. **A father said to his son, "I was as old as you are at the present at the time of your birth". If father's age is 40 years now. What would be the son's age after 5 years?**

    A. 22
    B. 25
    C. 20
    D. 28

92. **A man walks 6 km towards South then turn to the right. After walking 4 km he turns to the left and walks 4 km. Now in which direction is he from the starting place?**

    A. West
    B. South
    C. South-west
    D. North-east

93. Amit is the son of Reena's brother. Rita is the daughter of Amit's father. How is Reena related to Rita?

    A. Mother
    B. Aunt
    C. Sister
    D. Grandmother

94. In a group of 120 students, 60 play football, 50 play cricket, and 30 play both football and cricket. How many students play neither football nor cricket?

    A. 10
    B. 20
    C. 30
    D. 40

95. 6 boys are sitting in a circle facing towards the center of the circle. Rajeev is sitting to the right of Mohan but he is not just at the left of Vijay. Chirag is between Vikas and Vijay. Ajay is sitting to the left of Vijay. Who is sitting to the left of Mohan?

    A. Ajay
    B. Rajeev
    C. Vikas
    D. Chirag

96. If CHILD is coded as 5, 11, 11,15,6. What will be the code for BATCH?

    A. 4, 4, 22, 6, 10
    B. 4, 6, 21, 6, 10
    C. 6, 6, 22, 4, 10
    D. None of these

97. If LIBERAL is written as MJCFSBM and MINT is written as NJOU, what will be the code for CHILD?

    A. DIJME
    B. DGHMC
    C. BGJMC
    D. BIJMC

98. 'A' can do a work in 5 days and 'B' in 30 days. If they work on it together for 3 days then the fraction of work that is left would be.

    A. 7/10
    B. 6/10
    C. 5/10
    D. 8/10

99. **An accurate clock shows 7 o' clock in the morning. Though how many degree will the hour hand rotate when the clock shows 1 o' clock in the afternoon.**

    A. 144°
    B. 150°
    C. 168°
    D. 180°

100. **Cup is to coffee as bowl is to**
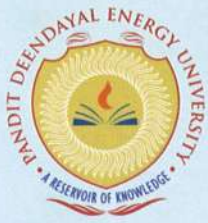
    A. Food
    B. Soup
    C. Spoon
    D. Plate

Rough Work

Rough Work

Rough Work

Rough Work

PDEU

PANDIT DEENDAYAL ENERGY UNIVERSITY

Formerly Pandit Deendayal Petroleum University (PDPU)

OFF. KOBA - GANDHINAGAR HIGHWAY, RAISAN, GANDHINAGAR - 382 007 GUJARAT, INDIA

📞 +91-79-23275240 / 41 / 42 / 43

✉ slsadmission@pdpu.ac.in

https://sls.pdeu.ac.in   f slspdpu   ⊙ slspdeu

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- PERSONAL INTERVIEW

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