



# PDPU

PANDIT DEENDAYAL PETROLEUM UNIVERSITY

## SLS

SCHOOL OF  
LIBERAL  
STUDIES



## QUESTION PAPER

TIME : 90 MINUTES

NUMBER OF QUESTIONS : 100

SECTIONS : 04

Please open the Question Paper only when you are instructed to do so.

Rough work may be done in the margin of the Question Paper only.

Answer Sheet is provided separately.

Please use HB pencil to blacken your choice of answer.

The Question Paper has to be returned with the Answer Sheet attached.

**This paper carries 4 sections.  
The number of questions in each section are:**

<b>SECTION - 1</b>	<b>GENERAL AWARENESS</b>	<b>40 QUESTIONS</b>
<b>SECTION - 2</b>	<b>VERBAL ABILITY</b>	<b>20 QUESTIONS</b>
<b>SECTION - 3</b>	<b>QUANTITATIVE ABILITY</b>	<b>20 QUESTIONS</b>
<b>SECTION - 4</b>	<b>LOGICAL REASONING</b>	<b>20 QUESTIONS</b>

**TIME : 90 MINUTES**

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**SECTION 1**

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**GENERAL AWARENESS**



**1. Who has written the book 'The Accidental Prime Minister: The Making and Unmaking of Manmohan Singh'?**

- (a) Sanjay Baru (b) Manmohan Singh (c) Sonia Gandhi (d) Arnab Goswami

**2. Boko Haram is a militant outfit in**

- (a) Sudan (b) Egypt (c) Libya (d) Nigeria

**3. The mystery of Bermuda Triangle is related to**

- (a) constant volcanic eruption (b) disappearance of aircrafts  
(c) low gravitational force (d) none of these

**4. Fiscal deficit in the Union Budget means**

- (a) The sum of budgetary deficit and net increase in internal and external borrowings  
(b) The sum of monetized deficit and budgetary deficit  
(c) difference between current expenditure and current revenue  
(d) net increase in Union government's borrowing from the Reserve Bank of India

**5. When a gas is turned into liquid, the process is called**

- (a) evaporation (b) deposition (c) condensation (d) sublimation

**6. Who started Individual Satyagraha?**

- (a) Vinoba Bhave (b) Pandit Jawaharlal Nehru  
(c) Sardar Vallabhbhai Patel (d) C. Rajagopalachari

**7. Which of the following tombs is called the second Tajmahal of India**

- (a) Anarkali (b) Itimated-ud-Daula  
(c) Tomb of Rabia-ud-Daurani (d) none of these

**8. Yeast, used in making bread, is a**

- (a) fungus (b) bacteria (c) seed (d) plant

**9. The removal of top soil by water or wind is called**

- (a) soil creep (b) silting of soil (c) soil erosion (d) weathering

**10. The blue colour of the clear sky is due to**

- (a) Dispersion of light (b) Refraction of light (c) Reflection of light (d) Diffraction of light

**11. First Satyagraha of Gandhiji in India**

- (a) Ahmedabad (b) Kheda (c) Champaran (d) none of these

**12. Who was associated with the Indian National Army?**

- (a) Chandra Sekhar Azad (b) Rani Laxmi Bai (c) Subash Chandra Bose (d) Bhagat Singh

**13. The function of heavy water in a nuclear reactor is to**

- (a) Cool down the reactor (b) Stop the nuclear reaction  
(c) increase the speed of neutrons (d) slow down the speed of neutrons

**14. Who composed the famous song 'Sare Jahan Se Achha-----'?**

- (a) Rabindranath Tagore (b) Mohammad Iqbal  
(c) Bankim Chandra Chatterjee (d) Javed Akhtar

**15. Kathak is a classical dance of**

- (a) North India (b) Odisha (c) Andhra Pradesh (d) Kerala

**16. The Indus Valley Houses were built of**

- (a) bamboo (b) wood (c) stones (d) bricks

**17. Which US company is attempting to enter Indian retail sector recently**

- (a) Walmart (b) Sears (c) GAP (d) HomeDepot

**18. Tansen, a great musician of his time, was in the court of**

- (a) Shahjahan (b) Humayun (c) Jahangir (d) Akbar

**19. Who was the last British Governor General of India?**

- (a) Lord Louis Mountbatten (b) Lord Wavell  
(c) Lord Hastings (d) Lord Cornwallis

**20. How many wars did King Ashoka fight in his life?**

- (a) 1 (b) 2 (c) 3 (d) more than three

**21. Which of the following types of soil are mostly confined to river basins and coastal plains of India**

- (a) Alluvial soils (b) Black (c) Red soils (d) Laterite soils

**22. Persons with which blood group are called universal donors?**

- (a) A (b) AB (c) B (d) O

**23. Which deity is worshipped during Rath Yatra in India**

- (a) Ram (b) Shiva (c) Jagannath (d) Vishnu

**24. The oldest oil field and refinery in India is located at**

- (a) Koyali (b) Digboi (c) Ankleshwar (d) Kosamba

**25. The novel 'The Lowland: A Novel' is written by**

- (a) Arvind Adiga (b) Jhumpa Lahiri (c) Amitabh Ghosh (d) Arundhati Roy

**26. Which of the following crops is regarded as a plantation crop?**

- (a) Sugarcane (b) Cotton (c) Rice (d) Coconut

**27. Reserve Bank of India was nationalized in the year**

- (a) 1947 (b) 1948 (c) 1949 (d) 1950

**28. President Barack Obama belongs to**

- (a) Democratic party (b) Republican party (c) Green party (d) Labour party

**29. Devaluation of currency means**

- (a) fixing the value of currency in the basket of currencies
- (b) reduction in the value of currency vis-à-vis major internationally trade currencies
- (c) fixing the value of currency in accordance to multilateral consultations
- (d) permitting the currency to seek its worth in the international market

**30. GIFT-City is located at**

- (a) Surat
- (b) Gandhinagar
- (c) Ahmedabad
- (d) Baroda

**31. The Google company recently sold its Motorola unit to**

- (a) Microsoft
- (b) Lenovo
- (c) IBM
- (d) Sony

**32. To which game is Sultan Azlan Shah Cup related?**

- (a) Football
- (b) Cricket
- (c) Lawn Tennis
- (d) Hockey

**33. Who is the nominal head of the Indian government?**

- (a) President
- (b) Prime Minister
- (c) Chief Justice of Supreme Court
- (d) Speaker of Lok Sabha

**34. The recently concluded General Elections (Lok Sabha) in India is----- of its term**

- (a) 14
- (b) 15
- (c) 16
- (d) 17

**35. The members of Rajya Sabha are elected for**

- (a) 4 years
- (b) 5 years
- (c) 6 years
- (d) 7 years

**36. As per the United Nations referendum which has become a country recently.**

- (a) Western Sahara
- (b) South Sudan
- (c) South Ossetia
- (d) none of these

**37. Nal Sarovar bird sanctuary is in**

- (a) Mizoram
- (b) Delhi
- (c) Gujarat
- (d) Tripura

**38. Which Lawn Tennis Tournament is not associated with the Grand Slam?**

- (a) Spanish
- (b) Wimbledon
- (c) French
- (d) Australian

**39. Nokia company has been recently acquired by**

- (a) Samsung
- (b) Dell
- (c) Philips
- (d) Microsoft

**40. The XXII Winter Olympic Games, 2014, was held in**

- (a) Russia
- (b) Canada
- (c) Finland
- (d) Sweden





**SECTION 2**

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**VERBAL ABILITY**



Throughout history one impression of human nature has been consistent: that man has a multiple nature. Most often it has been expressed as a dual nature. It has been expressed mythologically, philosophically, and religiously. Always it has been seen as a conflict: the conflict between good and evil, the lower nature and the higher nature, the inner man and the outer man. "There are times", said Somerset Maugham, "when I look over the various parts of my character with perplexity. I recognize that I am made up of several persons and that the person that at the moment has the upper hand will inevitably give place to another. But which is the real one? All of them or none?"

That man can aspire to and achieve goodness is evident throughout all of history, however that goodness may be understood. Moses saw goodness supremely as justice, Plato essentially as wisdom, and Jesus centrally as love; yet they all agreed that virtue, however understood, was consistently undermined by something in human nature which was at war with something else. But what were these somethings?

When Sigmund Freud appeared on the scene in the early twentieth century, the enigma was subjected to a new probe, the discipline of scientific inquiry. Freud's fundamental contribution was his theory that the warring factions existed in the unconscious. Tentative names were given to the combatants: the Superego became thought of as the restrictive, controlling force over the Id (instinctual drives), with the Ego as a referee operating out of "enlightened self-interest".

We are deeply indebted to Freud for his painstaking and pioneering efforts to establish the theoretical foundation upon which we build today. Through the years scholars and clinicians have elaborated, systematized, and added to his theories. Yet the "persons within" have remained elusive, and it seems that the hundreds of volumes which collect dust and the annotations of psychoanalytic thinkers have not provided adequate answers to the persons they are written about.

We are dutifully impressed by formulations such as Freud's definition of psychoanalysis as a "dynamic conception which reduces mental life to an interplay of reciprocally urging and checking forces". Such a definition and its countless elaborations may be useful to "the professionals", but how useful are these formulations to people who hurt? George and Martha in Edward Albee's play used red-hot, gutsy, four-letter words that were precise and to the point. The question is, As therapists can we speak with George and Martha as precisely and pointedly about why they act as they do and hurt as they do? Can what we say be not only true but also helpful, because we are understood? "Speak English! I can't understand a word you're saying" is not an uncommonly held attitude toward persons who claim to be experts in the psychological fields. Restating esoteric psychoanalytic ideas in even more esoteric terms does not reach people where they live. As a consequence the reflections of ordinary folk are often expressed in pitiful redundancies and in superficial conversations with such summary comments as, "Well, isn't that always the way?" with no understanding of how it can be different.

**41. What is a matter of perplexity regarding human nature?**

- |                                      |  |
|--------------------------------------|--|
| (a) Changing facets of personality   | (b) Humans assume different roles in society |
| (c) Humans have negative personality | (d) None of the above                        |

**42. Which word in the first few lines stands for 'constant'?**

- |                |              |                |             |
|----------------|--------------|----------------|-------------|
| (a) Impression | (b) Multiple | (c) Consistent | (d) Several |
|----------------|--------------|----------------|-------------|

**43. What is the dwelling place for conflicting forces according to Freud?**

- |              |        |                 |         |
|--------------|--------|-----------------|---------|
| (a) Superego | (b) Id | (c) Unconscious | (d) Ego |
|--------------|--------|-----------------|---------|

**44. Which word in the third paragraph stands for 'Investigate'?**

- |            |           |               |              |
|------------|-----------|---------------|--------------|
| (a) Enigma | (b) Probe | (c) Combatant | (d) Factions |
|------------|-----------|---------------|--------------|

**45. In spite of scholarly treatises what has remained indefinable?**

- (a) Multiple theories
- (b) Multiple personalities in one person
- (c) Enlightened self interest
- (d) Superego

**46. “Speak English! I can’t understand a word you’re saying” means what?**

- (a) Psychologists don’t speak English
- (b) Their pronunciations are not clear
- (c) They use technical jargons
- (d) They mix many languages in their speech

**47. Find out from the following words, a word used in the writing above which comes closest to the word ‘abstruse’ in meaning.**

- (a) Esoteric
- (b) Formulation
- (c) Redundant
- (d) Superficial

**48. According to the writer, multiple nature of a person –**

- (a) Is at harmony
- (b) Is at conflict
- (c) Is reciprocal
- (d) Is controlling

**49. Psychoanalytic volumes have**

- (a) Not been able to provide evidences to conflicting forces
- (b) Not been able to provide clear understanding of human psyche
- (c) Not been able to provide solution to human problems
- (d) Not been able to provide theoretical framework on human psyche

**50. What is Psychoanalysis?**

- (a) Theory of Id, Ego and Superego
- (b) Dynamic conception which reduces mental life to an interplay of reciprocally urging and checking forces
- (c) Discipline of scientific inquiry
- (d) Reflections of ordinary folk

***Read the following paragraphs and carefully determine the main idea for each.***

**51. Critical reading is a demanding process. To read critically, you must slow down your reading and, with pencil in hand; perform specific operations on the text. Mark up the text with your reactions, conclusions, and questions. When you read, become an active participant.**

- (a) critical reading is a slow, dull, but essential process.
- (b) the best critical reading happens at critical times in a person’s life.
- (c) readers should get in the habit of questioning the truth of what they read.
- (d) critical reading requires thoughtful and careful attention.

**52. Mathematics allows us to expand our consciousness. Mathematics tells us about economic trends, patterns of disease, and the growth of populations. Math is good at exposing the truth, but it can also perpetuate misunderstandings and untruths. Figures have the power to mislead people.**

- (a) the study of mathematics is dangerous.
- (b) words are more truthful than figures.
- (c) the study of mathematics is more important than other disciplines.
- (d) figures are sometimes used to deceive people.

*Choose the sentence that does not support the given sentence.*

**53. In Moby Dick, Herman Melville wrote that the whale men were “enveloped in whale lines,” that each man relied on the others during moments of danger.**

- (a) The small boats that pursued the whales left the whaling ship far behind; each man in a boat had to depend on the others to stay alive.
- (b) Once the whale was harpooned, the whale line unraveled so fast that water had to be poured on it to keep it from smoking.
- (c) The whale line was the rope, dozens of yards long, that attached to the harpoon; it was raveled under the seats of all the men metaphorically connecting each man to the next.
- (d) One wrong move and the line would snap a man right out of the boat; thus, his life depended on whether the crew would cut the whale loose to save him, or leave him in the ocean during the heat of the hunt.

**54. Today’s shopping mall has as its antecedents historical marketplaces, such as Greek Agoras, European Piazzas, and Asian Bazaars. The purpose of these sites, as with the shopping mall, is both economic and social. People not only go to buy and sell wares, but also to be seen, catch up on news, and be part of the human drama.**

The paragraph best supports the statement that

- (a) modern Americans spend an average of 15 hours a month in shopping malls.
- (b) shopping malls serve an important purpose in our culture.
- (c) shopping malls have a social as well as commercial function.
- (d) there are historical antecedents for almost everything in contemporary society.

Read the following data and answer Questions that follow accordingly.

**DISTRIBUTION OF OCCUPATIONS OF 200 ADULT MALES IN THE BAIDYA CASTE  
MADARIPUR VILLAGE, BENGAL 1914**

OCCUPATION	NUMBER
Farmers	02
government service, clerks	44
lawyers	06
newspapers and presses	05
no occupation	25
not recorded	08
students	68
teachers	11
trade and commerce	23
other	08

55. The largest number of men in the Baidya caste of Madaripur is involved in which field?  
 (a) education (b) agriculture (c) government (d) publishing

56. The smallest number of men in the Baidya caste of Madaripur is involved in which field?  
 (a) education (b) agriculture (c) government (d) publishing

The following poem is by Alfred, Lord Tennyson. Select the most correct option given at the end of the poem.

**The Eagle**

He clasps the crag with crooked hands;  
 Close to the sun in lonely lands,  
 Ringed with the azure world he stands.  
 The wrinkled sea beneath him crawls;  
 He watches from his mountain walls,  
 And like a thunderbolt he falls.

57. Given the tone of the poem, and noting especially the last line, what is the eagle most likely doing in the poem?  
 (a) dying of old age (b) hunting prey  
 (c) learning joyfully to fly (d) keeping watch over a nest of young eagles

58. To which of the following do the underlined words azure world most likely refer?  
 (a) a forest (b) the sky (c) the cliff (d) nature

59. In the second stanza, first line, to which of the following does the verb crawls refer?  
 (a) waves (b) sunlight on the water (c) the eagle's prey (d) the eagle itself

60. The word crag refers to  
 (a) stonework (b) head (c) crevasse (d) cliff

**SECTION 3**

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**QUANTITATIVE ABILITY**





61. Which of the following can be used to illustrate that not all prime numbers are odd?  
(a) 1 (b) 2 (c) 3 (d) 4
62. What is the greatest of 3 consecutive integers whose sum is 24 ?  
(a) 6 (b) 7 (c) 8 (d) 9
63. Of the following which is greater than  $1/2$  ?  
(a)  $2/5$  (b)  $4/7$  (c)  $4/9$  (d)  $5/11$
64. A piece of ribbon 4 yards long is used to make bows requiring 15 inches of ribbon for each. What is the maximum number of bows that can be made?  
(a) 8 (b) 9 (c) 10 (d) 11
65. How many numbers between 200 and 400 meet one or both of the conditions given in the two statements below?  
Statement 1: The number begins with 3  
Statement 2: The number ends with 3  
(a) 20 (b) 60 (c) 100 (d) 110
66. If  $f(3) = 15$  and  $f(5) = 45$ , which of the following could be  $f(x)$ ?  
(a)  $4x + 3$  (b)  $2x^2 - 2x$  (c)  $2x^2 - x$  (d)  $2x^2 - 5$
67. In a class of 48 students, 41 are taking French, 22 are taking German. Of the students taking French or German, 9 are taking both courses. How many students are not enrolled in either course?  
(a) 6 (b) 15 (c) 24 (d) 33
68. A picture is copied onto a sheet of paper 8.5 inches by 10 inches. A 1.5 inch margin is left all around. What area in square inches does the picture cover?  
(a) 76 (b) 65 (c) 59.5 (d) 38.5
69.  $2^{30} + 2^{30} + 2^{30} + 2^{30} = ?$   
(a)  $8^{120}$  (b)  $8^{30}$  (c)  $2^{32}$  (d)  $2^{26}$
70. If  $V = 12R / (r + R)$ , then  $R =$   
(a)  $Vr / (12 - V)$  (b)  $Vr + V / 12$  (c)  $Vr - 12$  (d)  $V / r - 12$
71. Which one of the following is not a prime number?  
(a) 31 (b) 61 (c) 71 (d) 91
72.  $1397 \times 1397 = ?$   
(a) 1951609 (b) 1981709 (c) 18362619 (d) 2031719
73. A father said to his son, "I was as old as you are at the present at the time of your birth". If the father's age is 38 years now, the son's age five years back was:  
(a) 14 years (b) 19 years (c) 33 years (d) 38 years

74. 39 persons can repair a road in 12 days, working 5 hours a day. In how many days will 30 persons, working 6 hours a day, complete the work?  
(a) 10 (b) 13 (c) 14 (d) 15
75. If one-third of one-fourth of a number is 15, then three-tenth of that number is:  
(a) 35 (b) 36 (c) 45 (d) 54
76. Three times the first of three consecutive odd integers is 3 more than twice the third. The third integer is:  
(a) 9 (b) 11 (c) 13 (d) 15
77. The difference between a two-digit number and the number obtained by interchanging the positions of its digits is 36. What is the difference between the two digits of that number?  
(a) 3 (b) 4 (c) 9 (d) Cannot be determined
78. In the first 10 overs of a cricket game, the run rate was only 3.2. 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) 6.75 (d) 7
79. 8, 27, 64, 100, 125, 216, 343 Spot the pattern and identify the odd one out.  
(a) 27 (b) 100 (c) 125 (d) 343
80. 10, 25, 45, 54, 60, 75, 80 Spot the pattern and identify the odd one out.  
(a) 10 (b) 45 (c) 54 (d) 75

**SECTION 4**

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**LOGICAL REASONING**



**81. Look at this series: 201, 202, 204, 207, . . . What number should come next?**

- (a) 205 (b) 208 (c) 210 (d) 211

**82. Look at this series: 22, 21, 23, 22, 24, 23,... What number should come next?**

- (a) 22 (b) 24 (c) 25 (d) 26

**83. Which word does not belong to the others?**

- (a) Evaluate (b) Assess (c) Appraise (d) Instruct

**84. Which word does not belong to the others?**

- (a) Peninsula (b) Island (c) Bay (d) Cape

**85. Elated is to despondent as enlightened is to**

- (a) Aware (b) Ignorant (c) Miserable (d) Tolerant

**86. Artist is to Painting as Senator is to**

- (a) Attorney (b) Law (c) Politician (d) Constituents

**87. FINCH : BIRD**

- (a) frog : toad (b) elephant : reptile (c) dalmatian : dog (d) collie : marsupial

**88. PASTORAL : RURAL**

- (a) metropolitan : urban (b) harvest : autumn (c) agrarian : benevolent (d) sleepy : nocturnal

**89. Here are some words translated from an artificial language.**

moolokarn means blue sky  
wilkospadi means bicycle race  
moolowilko means blue bicycle

**Which word could mean "racecar"?**

- (a) wilkozwet (b) spadiwilko (c) moolobreil (d) spadivolo

**90. Here are some words translated from an artificial language.**

lelibroon means yellow hat  
plekafroti means flower garden  
frotimix means garden salad

**Which word could mean "yellow flower"?**

- (a) lelifroti (b) lelipleka (c) plekabroon (d) frotibroon

**91. If the first and second letters in the word 'EXCELLECE' are interchanged, in the sameway third and fourth letters, the fifth and the sixth letters and so on. Which letter would be the sixth when counted from the right?**

- (a) C (b) D (c) E (d) L

92. Which of the following words cannot be formed with the help of the letters of 'EXPERIENCE'?

- (a) PRICE (b) EXERCISE (c) RICE (d) NICE

93. From the word 'CARRIAGE'. How many independent words can be made without changing the order of the letters and using each letter only once.

- (a) One (b) Two (c) Three (d) Four

94. How many pairs of letters are there in the word 'INTERNATIONAL' which have as many letters between them in the word as in the alphabet?

- (a) One (b) Two (c) Three (d) Four

95. If 12th day of a month is Friday then what is the day 30th day of the same month?

- (a) Tuesday (b) Thursday (c) Friday (d) Saturday

96. Statements: Some bags are pockets. No pocket is a pouch.: Conclusions

- I. No bag is a pouch. II. Some bags are not pouches.  
 III. Some pockets are bags. IV. No pocket is a bag,  
 (a) None follows (b) Only I and III follow  
 (c) Only II and III follow (d) Only either I or IV follows E. All follow

97. Find the wrong number in the series.


















- 1, 2, 6, 15, 31, 56, 91  
 (a) 31 (b) 15 (c) 56 (d) 91

98. 

E M E		m m m		E W E		W ? W
						
(1)		(2)		(3)		(4)


- (a) 1 (b) 2 (c) 3 (d) 4

99. 

												— ?
												
(1)	(2)	(3)		(4)								

- (a) 1 (b) 2 (c) 3 (d) 4

100. 

															?
															
(1)	(2)	(3)		(4)											

- (a) 1 (b) 2 (c) 3 (d) 4

YOU CAN USE THE SPACE  
FOR ROUGH WORK



YOU CAN USE THE SPACE  
FOR ROUGH WORK