



SOMAIYA

VIDYAVIHAR UNIVERSITY

Somaiya School of Humanities and Social Science

QUESTION PAPERS

BRANCH: Bachelor of Science - Psychology	SEM: II
	APR-2026

Sr. No.	Subject	Available
1.	145U18C201 – Physiological Psychology	
2.	145U18C202 – Psychology of Adolescents & Young Adults	
3.	145U18I201 – Positive Psychology	
4.	145U18I201 – Inferential statistics	
5.	216U061301 – Indian Knowledge System	
6.		
7.		
8.		
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10.		



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15 APR 2026

Psychology
Sem-II

April 2026		
Examination: In Semester Examination (UG Programmes)		
Programme code: 78	Class: FY	Semester: II
Programme: BSc Psychology		
Name of the School: Somaiya School of Humanities and Social Sciences		Name of the Department: Psychology
Course Code: 145U18C201	Name of the Course: Physiological Psychology	
Duration: 02 Hr.	Maximum Marks: 60	
Instructions: 1) Draw neat diagrams 2) Assume suitable data if necessary		

Question No.		Max. Marks	CO
Q1	Answer the following		
a)	Explain the structure and functions of a neuron. Describe how electrical impulses are transmitted within a neuron.	7	CO1
b)	Difference between Autonomic and Somatic Nervous system	8	CO2
OR			
c)	What is hemispheric specialization and give a note on Broca's and Wernicke's area	8	CO2
d)	Certain drugs used in the treatment of neurological disorders alter the functioning of neurotransmitters at synapses. Apply your knowledge of neurotransmission to explain how changes in neurotransmitter activity may influence behavior.	7	CO1
Q 2	Answer the following		
a)	Elaborate on the Abnormalities caused by Pituitary gland	7	CO3
b)	Explain motivation, types and theories	8	CO4
OR			
c)	Explain hunger as a motivation factor	8	CO4
d)	Explain Endocrine glands and give explain about each gland in detail	7	CO3
Q3	Answer the following		
a)	Difference between Schwann Cells and Oligodendrocytes and explain the role of glial cells	7	CO1
b)	Elaborate on the structure and function of CNS	8	CO2
OR			
c)	Explain the structure and functions of the thyroid gland and Adrenal gland and discuss their roles in detail.	8	CO3
d)	What is circadian rhythm and explain it's stages	7	CO4
Q4	Short Notes (Any Three)	15	
a)	Functions of Acetylcholine and Serotonin		CO1
b)	Right hemisphere and Corpus callosum		CO2
c)	Abnormalities in Adrenal Gland		CO3
d)	Educational Psychology		CO4



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Psychology
Sem II
17 APR 2026

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April 2026		
Examination: In Semester Examination (UG Programme)		
Programme code: 78	Class: FY	Semester: II
Programme: BSc Psychology		
Name of the School: Somaiya School of Humanities and Social Sciences		Name of the Department: Psychology
Course Code: 145U18C202	Name of the Course: Psychology of Adolescents & Young Adults	
Duration : 2 Hrs	Maximum Marks : 60	
Instructions: 1) Draw neat diagrams 2) Attempt questions as per options given		
3) Use examples wherever appropriate		

Question No.	Answer the following questions	Max. Marks	CO
Q1	a) Explain brain development in adolescence, including the role of the prefrontal cortex and limbic system, and its effect on behaviour.	08	CO1
	b) Explain the significance of nutrition in adolescence with examples and references to physical and cognitive development.	07	CO1
	OR		
	c) Explain Marcia's identity statuses i.e. diffusion, foreclosure, moratorium, achievement and their implications.	08	CO2
Q2	d) Explain the role of family relationships in adolescence with examples	07	CO2
	a) Explain stress in early adulthood and strategies for coping.	08	CO3
	b) Explain Perry's stages of cognitive development in young adults.	07	CO3
	OR		
Q3	c) Explain the components of love intimacy, passion, and commitment including the theory of love	08	CO4
	d) Explain factors affecting job satisfaction in early adulthood.	07	CO4
	a) An adolescent has recently started spending time with a new peer group where experimenting with alcohol and tobacco is common. Initially, the adolescent tried these substances occasionally out of curiosity, but over time, the frequency has increased. Teachers have noticed a decline in academic performance, and parents report irritability, fatigue, and changes in behaviour at home. Question - Explain this situation in relation to substance use and risk behaviour in adolescence.	08	CO1
	b) A teenager from a cultural minority background often feels confused while interacting with peers from different cultural groups. At home, there is strong emphasis on traditional values, while friends follow different lifestyles. This creates internal conflict, and the teenager feels unsure about their identity and struggles to balance both expectations. Question - Explain this situation in relation to identity formation and cultural influences.	07	CO2
OR			

	<p>c) A college student has recently moved away from home for the first time. They feel lonely, find it difficult to make new friends, and struggle to adjust to new teaching methods and academic expectations. Over time, they begin to lose confidence and feel disconnected from college life. Question Explain this situation in relation to college adjustment and challenges in early adulthood.</p>	08	CO3
	<p>d) A young adult is working in a stable job but struggles to balance work responsibilities with personal life. Long working hours leave little time for relaxation or relationships, leading to stress and reduced overall satisfaction. Question - Explain this situation in relation to work-life balance in early adulthood.</p>	07	CO4
Q4	<p>Write Short Notes on (Any 3 out of 4) - a) Hormonal changes in adolescence b) Parent-adolescent conflict c) Postformal Thought d) RIASEC</p>	15	CO1 CO2 CO3 CO4



21 APR 2026



March/April 2026			
Examination: End Semester Examination (UG Programme)			
Programme code: 78		Class: FY	Semester: II
Programme: Psychology			
Name of the School: SSHSS		Name of the Department: Psychology	
Course Code: 145U18I201		Name of the Course: Positive Psychology	
Duration : 2 Hr.		Maximum Marks : 60	
Instructions: 1) Draw neat diagrams if required 2) Read each question carefully			

Question No.		Max. Marks	CO
Q1	Answer the following	15	
a)	Explain Seligman's PERMA model and evaluate its usefulness in understanding well-being.	8	1
b)	Explain the concept of character strengths using the VIA classification. How do these strengths contribute to well-being? Use examples.	7	2
	OR		
c)	A teacher encourages creativity and curiosity in class. Explain using broaden effect.	8	1
d)	Explain the role of teachers in facilitating flow in classrooms.	7	2
Q2	Answer the following	15	
a)	Explain meaning-making as a psychological process and its role in well-being.	8	3
b)	A client with mild distress benefits from gratitude journaling. Explain the mechanism and outcomes.	7	4
	OR		
c)	Analyze self-compassion as a protective factor against psychological distress.	8	3
d)	Analyze the application of positive psychology in workplaces.	7	4
Q3	Answer the following	15	
a)	A student reports feeling "good" but not "fulfilled." Analyze using hedonic vs eudaimonic concepts.	8	1
b)	Critically examine cultural limitations of positive psychology.	7	4
	OR		
c)	Explain social capital and evaluate its importance in individual and societal functioning.	8	3
d)	How is engagement different from pleasure? Explain with examples from daily life.	7	2
Q4	Write a short note- (Any 3)	15	
a)	Historical roots of Positive Psychology		1
b)	Conditions for flow		2
c)	Meaning-Making Process		3
d)	Ethical Issues in Positive Psychology		4



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23 APR 2026

April 2026		
Examination: In Semester Examination (UG Programme)		
Programme code: 78 Programme: BSc Psychology	Class: FY	Semester: II
Name of the School: Somaiya School of Humanities & Social Sciences		Name of the Department: Psychology
Course Code: 145U18I201	Name of the Course: Inferential Statistics	
Duration : 2 Hr.	Maximum Marks : 60	
Instructions: 1) Draw neat diagrams 2) Assume suitable data if necessary		

Question No.		Max. Marks	CO
Q1a	Explain the difference between Type I and Type II error and how that relates to power. Explain normality and homoscedasticity and its relation to hypothesis testing.	15	1
Q1b	<p style="text-align: center;">OR</p> <p>“p-values tell us about the random chance of obtaining our results” - Critically evaluate this claim. Explain the General Linear Model (GLM) and how it encompasses the various tests conducted in statistics.</p>		
Q2a	Three groups (Therapy = 12, Medication = 15, Control = 20; overall mean = 15.67) were compared on anxiety scores. Given: SSW = 54, n per group = 6, critical $F(2,15) = 3.68$. Calculate SSB, compute the F-ratio, and state whether the difference between groups is statistically significant, interpreting what this means for anxiety treatment approaches. Explain why we need to use ANOVA instead of multiple t-tests.	15	2
Q2b	<p style="text-align: center;">OR</p> <p>A neuropsychologist wants to determine if sleep duration significantly impacts motor task reaction times. You are given data from two independent groups with a larger sample size ($n = 50$ per group): the High Sleep group ($M = 18.5$) and the Low Sleep group ($M = 22.1$, SE of difference = 1.8). Calculate the appropriate test statistic and degrees of freedom to determine if the results are significant at $p < .05$, using the critical value for $df = 98$ (1.984). Additionally, expand on three parametric tests used for hypothesis testing in psychological research.</p>		
Q3a	A social psychologist wants to investigate whether there is a significant association between a person's living environment and their reported level of life satisfaction. In a study of 120 individuals, the researcher found that among 60 urban residents, 35 reported "High Satisfaction" and 25 reported "Low Satisfaction," whereas among 60 rural residents, 45 reported "High Satisfaction" and 15 reported "Low Satisfaction." Calculate the appropriate test statistic and degrees of freedom for this data, and determine if there is	15	3

Q3b	<p>a significant association between environment and satisfaction given a critical value of 3.84 at the 0.05 level. Additionally, briefly explain the fundamental difference between association and independence in chi-square.</p> <p style="text-align: center;">OR</p> <p>A researcher wants to compare the effectiveness of three study methods - Active Recall, Spaced Repetition, and Rereading, on test scores. Fifteen students are divided into three groups (n = 5 per group), and their scores are recorded. Group 1 (Active Recall) scores are 85, 90, 88, 92, and 87; Group 2 (Spaced Repetition) scores are 78, 82, 80, 85, and 79; Group 3 (Rereading) scores are 65, 70, 68, 72, and 67. Using an appropriate test, calculate the test statistic and degrees of freedom to determine if a significant difference exists among the three methods, given a critical value of 5.99 at the 0.05 level. Additionally, briefly explain the fundamental difference between 'between subjects' and 'repeated measures' tests in psychological research.</p>		
Q4a	<p>Elaborate on R and R Studio. Expand on the difference between SPSS, JAMOVI, and R.</p> <p style="text-align: center;">OR</p> <p>Q4b</p> <p>Compare the advantages and disadvantages of using Quantitative Data Analysis Softwares. Compare Script based analysis softwares to Graphical User Interface Software Packages for Analysis.</p>	15	4



24 APR 2020

March/April 2026		
Examination: In Semester Examination (UG/PG Programmes)		
Programme code:	Class: FY	Semester: II
Programme:		
Name of the School:		Name of the Department
Course Code: 216U061301	Name of the Course: Indian Knowledge Systems	
Duration: 1 Hr.	Maximum Marks: 20	
Instructions:		

Marks Obtained:

Seat No.

Class:

Signature of Candidate	Signature & Name of The Block Supervisor with Date:
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Question No.		Max. Marks	CO
Q 1	Consciousness refers to: A. Sleep B. Neutrality C. Ignorance D. Awareness Answer: <input type="text"/>	1 Marks	CO3
Q 2	What is the full form of I.K.S? A. Indian Kinetic Strategies B. International Knowledge Statistics C. Indian Knowledge Systems D. Internal Karyotype System Answer: <input type="text"/>	1 Marks	CO1
Q 3	Ayurveda represents: A. Political system B. Social Justice C. Holistic health approach D. Legal system Answer: <input type="text"/>	1 Marks	CO3

Q 4	IKS includes knowledge from: A. One field only B. Various branches C. Only science D. Only art <div style="text-align: right; border: 1px solid black; padding: 2px;">Answer:</div>	1 Marks	CO1
Q 5	What is included under the Spiritual and Philosophical scope of I.K.S.? A. Understanding the technological developments of machine learning and AI. B. Examining the development of nanobots C. Observing a complex medical operation D. Help to understand the nature of reality <div style="text-align: right; border: 1px solid black; padding: 2px;">Answer:</div>	1 Marks	CO3
Q 6	Coins as sources of IKS are studied under: A. Archaeology B. Numismatics C. Epigraphy D. Philology <div style="text-align: right; border: 1px solid black; padding: 2px;">Answer:</div>	1 Marks	CO1
Q 7	Dharma represents: A. Lawless behavior B. Duty and righteousness C. Profit D. Art <div style="text-align: right; border: 1px solid black; padding: 2px;">Answer:</div>	1 Marks	CO3
Q 8	Archaeological evidence mainly provides: A. Material remains B. Philosophical ideas C. Literary theories D. Oral traditions <div style="text-align: right; border: 1px solid black; padding: 2px;">Answer:</div>	1 Marks	CO1
Q 9	Through _____, IKS helps to develop the aesthetic sense and enables one to understand and appreciate the arts and foster the creativity of humans. A. Visual arts and Performing arts B. Inscriptions C. Religious Scriptures D. Edicts <div style="text-align: right; border: 1px solid black; padding: 2px;">Answer:</div>	1 Marks	CO3



Q 10	Astronomy deals with: A. Atmosphere B. Saturn C. Stars and planets D. Galaxies <div style="border: 1px solid black; padding: 2px; display: inline-block;">Answer:</div>	1 Marks	CO1
Q 11	The study of ancient scripts is called: A. Numismatics B. Epigraphy C. Paleography D. Archaeology <div style="border: 1px solid black; padding: 2px; display: inline-block;">Answer:</div>	1 Marks	CO1
Q12	Yoga contributes to: A. Economic growth B. Trade C. Physical and mental balance D. Politics <div style="border: 1px solid black; padding: 2px; display: inline-block;">Answer:</div>	1 Marks	CO3
Q 13	Textual sources are limited because they: A. Are always accurate B. Reflect specific perspectives C. Include all voices equally D. Are purely scientific <div style="border: 1px solid black; padding: 2px; display: inline-block;">Answer:</div>	1 Marks	CO4
Q 14	Cultural expression in IKS primarily involves: A. Economy B. Science only C. Politics D. Art and Architecture <div style="border: 1px solid black; padding: 2px; display: inline-block;">Answer:</div>	1 Marks	CO3
Q 15	Knowledge about agriculture and weather is part of: A. Philosophy B. Science C. Art D. Ethics <div style="border: 1px solid black; padding: 2px; display: inline-block;">Answer:</div>	1 Marks	CO1

Q 16	IKS helps bridge the gap between: A. Art and science B. Past and present C. Theory and practice D. All of the above <div style="text-align: right; border: 1px solid black; padding: 2px; width: fit-content; margin-left: auto;">Answer:</div>	1 Marks	CO4
Q 17	Epigraphy is the study of: A. Coins B. Architecture C. Inscriptions D. Paintings <div style="text-align: right; border: 1px solid black; padding: 2px; width: fit-content; margin-left: auto;">Answer:</div>	1 Marks	CO1
Q 18	Which of the following is a textual source? A. Inscription B. Pottery C. Coin D. Vedic literature <div style="text-align: right; border: 1px solid black; padding: 2px; width: fit-content; margin-left: auto;">Answer:</div>	1 Marks	CO1
Q 19	Spiritual inquiry differs from scientific inquiry because it focuses on: A. Inner experience B. Measurable facts only C. External observation D. Experiments only <div style="text-align: right; border: 1px solid black; padding: 2px; width: fit-content; margin-left: auto;">Answer:</div>	1 Marks	CO3
Q 20	Studying IKS promotes: A. Fragmented knowledge B. Isolation C. Holistic understanding D. Memory <div style="text-align: right; border: 1px solid black; padding: 2px; width: fit-content; margin-left: auto;">Answer:</div>	1 Marks	CO4