1.	*Which of the following alternatives is one of the main goals that Europe has set for Horizon 2020?*
	1) Safeguarding food and nutrition security with research and innovation policies in the long term
	2) Increasing investment on research and development up to 3% of GDP by 2020
	3) Increasing the training of the European doctoral candidates in another Member State up to 7% by 2030
2.	*When do you need a certificate on the financial statements?*
	1) When the total EU contribution claimed on the basis of actual costs and unit costs $\geq$ 325,000 EUR
	2) When the total EU contribution claimed on the basis of actual costs $\geq$ 425,000 EUR
	3) Always
3.	*After solving the proposed expressions, find which of the obtained results is included between the respective values shown on their right side in brackets (including the extremes). Give the answer by blackening the corresponding box.*

1) $7 \div \dfrac{56}{3} + \dfrac{3}{8} + 0,25 = \ldots$　　　　　　　　　　　$\left(\dfrac{5}{8}; \dfrac{7}{8}\right)$

2) $\left(\dfrac{7}{3}\right)^2 \times \dfrac{6}{49} + \dfrac{1}{3} + 2 = \ldots$　　　　　　　　　　　$(3; 30)$

3) $\left[\left(\dfrac{4}{5}\right)^3 - \dfrac{24}{125}\right] \div 40 = \ldots$　　　　　　　　　　　$(1; 25)$

4.	*What is the "Programma Operativo Regionale" for Emilia-Romagna?*
	1) The web based system for managing the submission, selection and funding of industrial research projects of regional interest
	2) The planning document that defines strategies and interventions for using European resources assigned to the Region within the European Regional Development Fund
	3) An instrument used throughout the EU to improve the effectiveness of regional public policies for research and innovation
5.	*In Horizon 2020, what is the "Background"?*
	1) The state of the art of a technology addressed by a project
	2) Any data, know-how or information, including IPRs, held by the beneficiaries prior to the project
	3) Any knowledge and know-how developed within the project
6.	*Based on the rule or rules that hold the logical relationship between the numbers in the left box, reconstruct a new series in the right box starting from the values reported. Find, among the three proposed alternatives, the one that replaces the question mark, or, at least, one of the question marks. Give the answer by blackening the corresponding box.*

123	3	2	1
345	5	4	3
567	7	6	5
789	9	8	7

		?	
678			?

1) 4
2) 2
3) 5

7.	Which is the rate of reimbursement for public Higher Education Institutions in Horizon 2020 Research and Innovation Actions?
	1) 100% of eligible costs
	2) 70% of all costs excluding subcontracting
	3) 33% of eligible costs
8.	In H2020, indirect costs are calculated as a flat rate of 25% of...
	1) the total direct eligible costs, excluding direct eligible costs for subcontracting and financial support to third parties
	2) the total direct eligible costs
	3) the total eligible costs
9.	After solving the proposed expressions, find which of the obtained results is included between the respective values shown on their right side in brackets (including the extremes). Give the answer by blackening the corresponding box.
	1) $7 \times 3 \times 2 - 12 = ...$ (5; 27)
	2) $4 \times 8 \times 2 + 8 = ...$ (40; 70)
	3) $(11 - 15 + 8) \times 12 = ...$ (27; 52)
10.	In the Emilia-Romagna POR-FESR context, the "Laboratori accreditati" are...
	1) legal entities established within the regional High Technology Network, aimed at incubating new innovative enterprises
	2) organisations or organisational units within regional universities and research centres, accredited by the Emilia-Romagna Region, devoted on industrial research and the interaction with regional industries
	3) research laboratories, that, following a specific national accreditation, are allowed to perform tests on behalf of regional industries and award related compliance certificates
11.	Which of the following options is an eligible cost in the Horizon 2020 projects?
	1) Study/training scholarships
	2) VAT
	3) IRAP
12.	Based on the rule or rules that hold the logical relationship between the numbers in the left box, reconstruct a new series in the right box starting from the values reported. Find, among the three proposed alternatives, the one that replaces the question mark, or, at least, one of the question marks. Give the answer by blackening the corresponding box.

Left box:

4	6	8	10
18	16	14	12
20	22	24	26
34	32	30	28

Right box:

9			
19			
		?	

1) 25

2) 29

3) 27

13.	*Horizon 2020 calls for proposal are published...*
	1) in the Participant Portal
	2) in the Work Programmes
	3) in the Official Journal of each Member State
14.	*The MED cooperation programme is structured in...*
	1) Modular projects, Horizontal projects and Platform projects
	2) Only Platform projects
	3) Horizontal projects, Vertical projects and Oblique projects
15.	*After solving the proposed expressions, find which of the obtained results is included between the respective values shown on their right side in brackets (including the extremes). Give the answer by blackening the corresponding box.*
	1) $15 + 12 - (16 \div 3) - (7 - 5) = ...$ (4; 10)
	2) $(76 + 77 + 78 + 79 + 80) \div 5 = ...$ (35; 68)
	3) $4 \times 0,25 + 5 \times 0,2 + 1 \times 0,27 = ...$ (3; 5,25)
16.	*What is Open Access?*
	1) A set of data and information available only for the Universities that produced it, without restrictions on copyright, patents or other forms of control limiting their reproduction
	2) A movement born within academia promoting the exploitation of the digital and network potentials to share research results without barriers or restrictions
	3) A software, of which the source code is released with a license that makes it editable and improvable by anyone
17.	*In the PRIN 2017 programme, which of the following personnel categories can NOT be reported either as cost or as project effort, since both would be ineligible?*
	1) Research fellowships
	2) PhD scholarships
	3) Scholarships
18.	*Based on the rule or rules that hold the logical relationship between the numbers in the left box, reconstruct a new series in the right box starting from the values reported. Find, among the three proposed alternatives, the one that replaces the question mark, or, at least, one of the question marks. Give the answer by blackening the corresponding box.*

Left box:

9	2	7	9
2	7	9	2
7	9	2	7
9	2	7	9

Right box:

	?		
			3
5			
8			

1) 3
2) 8
3) 5

19.	Which is the specific target of the Marie Skłodowska-Curie actions in the Horizon 2020 programme?
	1) Assuring an optimal development and dynamic use of the European intellectual capital to generate, develop and transfer new competences, knowledge and innovation in order to realize its full potential in all sectors and regions
	2) Promoting radically new technologies that offer the chance to create new scopes in scientific knowledge and technologies and to support the European industries of the next generation by exploring new and high-risky ideas founded on scientific bases
	3) Developing the European research infrastructures, fostering their innovation potential and human capital and reinforcing European research infrastructure policy
20.	What does the Smart Specialisation Strategy (S3) of Emilia-Romagna include?
	1) The centrality of the potential development of the South of Italy
	2) The centrality of ICT development and of the Digital Agenda implementation
	3) The centrality of the research and innovation regional strategy
21.	After solving the proposed expressions, find which of the obtained results is included between the respective values shown on their right side in brackets (including the extremes). Give the answer by blackening the corresponding box.
	1) $\dfrac{1}{3}+\dfrac{2}{8}-\dfrac{1}{4}+\dfrac{2}{3}+\dfrac{1}{2}=...$ $\left(\dfrac{1}{4};\dfrac{1}{2}\right)$
	2) $\dfrac{0,25+\dfrac{3}{4}+8}{\left(1,5+\dfrac{3}{2}\right)^{2}}=...$ $(0;5)$
	3) $\left(3,2-\dfrac{3}{5}\right)\times 5+27=...$ $(10;35)$
22.	Horizon 2020 is the European Union's main funding instrument for research and innovation for the period...
	1) 2014-2020
	2) 2016-2020
	3) 2018-2020
23.	In Horizon 2020, which is the document where it is advisable to regulate among beneficiaries/partners the ownership and access to project results?
	1) The Consortium Agreement
	2) The Invention Disclosure Form
	3) The Non Disclosure Agreement

24.	Based on the rule or rules that hold the logical relationship between the numbers in the left box, reconstruct a new series in the right box starting from the values reported. Find, among the three proposed alternatives, the one that replaces the question mark, or, at least, one of the question marks. Give the answer by blackening the corresponding box.

5	6	8	11
11	12	14	17
17	18	20	23
23	24	26	29

13		?	
	?		

1) 28

2) 16

3) 23

25.	In Horizon 2020, when is it necessary to ask for an amendment?

1) When a beneficiary is added or excluded

2) When there are changes in the coordinator's name or address

3) When there are changes concerning the name, address and branch of the coordinator's bank

26.	According to the Horizon 2020 rules for participation, what are the minimum conditions for participation to standard research projects (e.g. RIA)?

1) A single SME or a consortium of SMEs based in the EU or in an Associated Country

2) A consortium of at least three independent legal entities established in a Member State or in an Associated country

3) A consortium of at least two legal entities, established in a Member State, of which one can be an international European interest organisation

27.	After solving the proposed expressions, find which of the obtained results is included between the respective values shown on their right side in brackets (including the extremes). Give the answer by blackening the corresponding box.

1) $(8 + 22 + 15 - 30) \times 4 + 3 \times 12 = ...$ (99; 160)

2) $\left(5 + \dfrac{1}{2}\right) - \left(2 - \dfrac{1}{2}\right) - \left(1 + \dfrac{1}{2}\right) = ...$ (3; 5)

3) $\dfrac{7}{31} \times 62 - \dfrac{77}{121} \times 11 = ...$ (4; 14)

28.	The LIFE+ programme is the European financing instrument intended to...

1) contribute to the implementation, updating and development of European legislation and policies on the environment and climate

2) contribute to the implementation, updating and development of European legislation and policies on the IVF

3) contribute to the implementation, updating and development of European legislation and policies on renewable energy

29.	In H2020, payments of the EU contribution are transferred by the Commission/Agency to...

1) the coordinator

2) each beneficiary

3) the LEAR

30.	*Based on the rule or rules that hold the logical relationship between the numbers in the left box, reconstruct a new series in the right box starting from the values reported. Find, among the three proposed alternatives, the one that replaces the question mark, or, at least, one of the question marks. Give the answer by blackening the corresponding box.*

11	15	19	23
20	24	28	32
22	26	30	34
13	17	21	25

27			
		38	
			?

1) 62

2) 33

3) 51

31.	*In the initiative "Dipartimenti di eccellenza", launched by MIUR...*

1) 352 Italian university departments, pre-selected through ANVUR indicators, submitted 5- year development projects focused exclusively on excellent research

2) the awarded university departments will develop a comprehensive 5-year project, combining high level recruitment, investment on infrastructures and high quality education activities

3) departments from universities and research centres joined together on a disciplinary basis to create a national critical mass on the different themes

32.	*In the ERC programme, within Horizon 2020, what is the grant reserved for researchers with 2-7 years of experience since completion of PhD?*

1) Consolidator Grant

2) Advanced Grant

3) Starting Grant

33.	*After solving the proposed expressions, find which of the obtained results is included between the respective values shown on their right side in brackets (including the extremes). Give the answer by blackening the corresponding box.*

1) $\left(13+\dfrac{3}{4}-3^2-0{,}75\right)\times\dfrac{1}{4}=...$ (7; 13)

2) $(15^2-5^2+13^2)\div 3=...$ (87; 100)

3) $(4\times 8\times 4\times 4)\div 4^3+62=...$ (60; 82)

34.	*In the PRIN 2017 programme, the "spese generali" are calculated as a % of...*

1) personnel costs

2) equipment, instruments and softwares

3) other costs

35.	*The Policy Learning Platform is...*

1) a key document for project developers to understand the rationale behind interregional cooperation projects

2) a way for organisations that have an initial idea for a project, to circulate it to find suitable partners and help further develop the idea

3) a space for continuous learning where the policymaking community in Europe can tap into the knowhow of experts and peers

36.	Based on the rule or rules that hold the logical relationship between the numbers in the left box, reconstruct a new series in the right box starting from the values reported. Find, among the three proposed alternatives, the one that replaces the question mark, or, at least, one of the question marks. Give the answer by blackening the corresponding box.

18	23	28	33
13	18	23	28
8	13	18	23
3	8	13	18

	22		
12			?

1) 5
2) 15
3) 27

37.	The Horizon 2020 programme provides the concept of Technology Readiness Level (TRL), which is...

1) an indicator aimed at providing a common understanding of the status of technology, addressing the entire innovation chain, to assess its maturity with regard to the market
2) a joint programming network between the European Commission and Member States that has been designed to adapt the instruments available in a Member State to current global challenges
3) one of the societal challenges identified in the Europe 2020 strategy, which aims to boost the critical mass of research and innovation efforts needed to achieve the political objectives of the EU

38.	In the PRIN 2017 programme, which of the following expenses can be reported even if incurred after the end date of the project?

1) Personnel costs
2) Equipment depreciation
3) Expenses connected to the dissemination of project results

39.	After solving the proposed expressions, find which of the obtained results is included between the respective values shown on their right side in brackets (including the extremes). Give the answer by blackening the corresponding box.

1) $\left(\dfrac{4}{\sqrt{2}}\right)^2 + \dfrac{64}{8} = ...$ (10; 22)

2) $\dfrac{1}{4} \times 0{,}25 - \left(\dfrac{1}{4}\right)^2 = ...$ $\left(\dfrac{1}{4}; 1\right)$

3) $10 \times 10 + 11 \times 11 + 12 \times 12 = ...$ (250; 300)

40.	In Horizon 2020, which of the following IS NOT considered as an ethics issue?

1) Human Embryonic Stem Cells
2) Personal data collection
3) Cancer treatments

41.	Which of the following alternatives IS NOT a "pillar" in the Horizon 2020 Programme?

1) Industrial Leadership
2) Science with and for Society
3) Societal challenges

42.	Based on the rule or rules that hold the logical relationship between the numbers in the left box, reconstruct a new series in the right box starting from the values reported. Find, among the three proposed alternatives, the one that replaces the question mark, or, at least, one of the question marks. Give the answer by blackening the corresponding box.

9	1	9	5
9	9	13	9
9	17	9	21
25	9	29	9

	7		7
	20	?	?
28			

1) 7

2) 13

3) 22

43.	In the PRIN 2017 programme, travel and subsistence expenses are eligible when they relate to…

1) missions abroad

2) missions in Italy

3) both

44.	Which of the following IS NOT an action included in the PRIN 2017?

1) Action "Principale"

2) Action "Senior"

3) Action "Sud"

45.	After solving the proposed expressions, find which of the obtained results is included between the respective values shown on their right side in brackets (including the extremes). Give the answer by blackening the corresponding box.

1) $3 + 2 \times (5 + 3) = ...$ (20; 30)

2) $7 \times 2 - 5 = ...$ (9; 18)

3) $(9 - 5 + 2) \times 3 =$ (7; 17)

46.	In the PRIN 2017 programme, the compliance of reported expenses is certified after the end of the project through…

1) central internal audits carried out by appropriate teams within the universities/organisations hosting the research units

2) external audits carried out by control and certification bodies

3) external audits carried out directly by the MIUR in the university premises

47.	Which of the following options IS NOT a macro-sector determined by the European Research Council?

1) Physical, chemical and engineering sciences

2) Life sciences

3) Earth sciences

48. *Based on the rule or rules that hold the logical relationship between the numbers in the left box, reconstruct a new series in the right box starting from the values reported. Find, among the three proposed alternatives, the one that replaces the question mark, or, at least, one of the question marks. Give the answer by blackening the corresponding box.*

6	9	12	15
7	11	15	19
8	13	18	23
9	15	21	27

	7		
5			?
	?		

1) 8
2) 15
3) 17

49. *The PRIN 2017 programme finances...*

1) annual projects
2) two-year projects
3) three-year projects

50. *With reference to the Horizon 2020 reporting, which of the following expenses is considered as direct cost?*

1) Travel expenses of the project staff
2) Maintenance, insurance and security
3) Ordinary postal services